

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

10/01/2011

Laura Martin  
Assistant District Attorney, Norfolk County

Dear ADA Martin,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

- \* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- \* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- \* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27<sup>th</sup> 1995.
- \* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- \* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25<sup>th</sup> 2002, at Agilent Technologies.
- \* Notary Public since 1993.

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: Weymouth Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Det Thomas Anderson

Defendant(s) Name (last, first, initial):  
[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

1) small white pill	1268	3.06 gm	<span style="background-color: black; color: black;">[REDACTED]</span>
2) orange pills	1269	4.73 gm	<span style="background-color: black; color: black;">[REDACTED]</span>
1) small orange pill	1270	2.35	<span style="background-color: black; color: black;">[REDACTED]</span>
			<span style="background-color: black; color: black;">[REDACTED]</span>
			<span style="background-color: black; color: black;">[REDACTED]</span>
			<span style="background-color: black; color: black;">[REDACTED]</span>
			<span style="background-color: black; color: black;">[REDACTED]</span>
			<span style="background-color: black; color: black;">[REDACTED]</span>

Received by: [Signature]

Date: 8-16-10

No. [REDACTED]

Date Analyzed: 11-15-10

City: Weymouth Police Dept.

Officer: Detective THOMAS ANDERSON

Def: [REDACTED]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/16/2010

No. Analyzed:

Gross Wt.: 3.06

Net Weight: 0.12

# Tests: 1 A&D  
• 2 P.P.10

Prelim: Oxycodone B Findings: Oxycodone

No. [REDACTED]

Date Analyzed: 11-15-10

City: Weymouth Police Dept.

Officer: Detective THOMAS ANDERSON

Def: [REDACTED]

Amount: 2.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/16/2010

No. Analyzed:

Gross Wt.: 4.73

Net Weight: 0.74

# Tests: 1 A&D  
• 2 P.P.10

Prelim: Buprenorphine Findings: Buprenorphine  
B

No. [REDACTED]

Date Analyzed: 11-15-10

City: Weymouth Police Dept.

Officer: Detective THOMAS ANDERSON

Def: [REDACTED]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/16/2010

No. Analyzed:

Gross Wt.: 2.35

Net Weight: 0.09

# Tests: 1 A&D  
• 2 P.P.10

Prelim: Buprenorphine Findings: Buprenorphine

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Weymouth ANALYST A30

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

1 blue round tablet

Gross Wt ( ): \_\_\_\_\_

~ 1.45

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.1262



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis \_\_\_\_\_

TLTA ( )

Froehde's \_\_\_\_\_

### OTHER TESTS

Mecke's \_\_\_\_\_

Muromac A + ( )

## PRELIMINARY TEST RESULTS

RESULTS Oxydore

DATE 11-09-10

## GC/MS CONFIRMATORY TEST

RESULTS Oxydore

MS  
OPERATOR PJP

DATE 11-15-10

## Drug Information

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Light Blue

**Shape:** Circle

**Imprint:** M The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , M30 The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , 30 , M 30

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 0406-8530-01

**Excipients:** Cellulose, Microcrystalline ; Sodium Starch Glycolate ; Starch, Corn ; Lactose ; Stearic Acid ; FD&C Blue No. 2

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID:** 6594281

**Contact:** Covidien Mallinckrodt

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# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Weymouth ANALYST PSJ

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

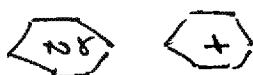
PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

2 orange hexagonal  
tablet in 1#b

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.7482



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

Micrometric A 1#b

## PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 11-9-10

## GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS  
OPERATOR PJP

DATE 11-15-10

## Drug Information

**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**NDC:** 12496-1306-02

**Shape:** Six-sided

**Regulatory Status:** Schedule III

**Imprint:** N8 Sword Logo

**Availability:** United States

**Form:** Sublingual Tablet

**Product ID:** 6370996

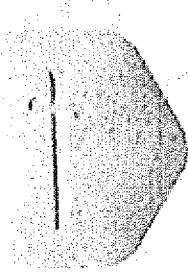
**Available-Container-Size:** Bottle of 30

**Contact:** Reckitt Benckiser

**AAPCC Code:** 200625 -

Pharmaceuticals

Buprenorphine



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# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Weymouth

ANALYST

ASJ

No. of samples tested:

Evidence Wt:

PHYSICAL DESCRIPTION:

Gross Wt ( ):

1 orange hexagonal tablet Gross Wt ( ):

1.16g

Pkg. Wt:

Net Wt: 0.0956

PRELIMINARY TESTSSpot Tests

Cobalt

Thiocyanate ( )

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold

Chloride

TLTA ( )

OTHER TESTS

Microscope A + C

PRELIMINARY TEST RESULTSRESULTS BuroprednisoneDATE 1-9-10GC/MS CONFIRMATORY TESTRESULTS BuroprednisoneMS  
OPERATOR PJWDATE 3-15-10

## Drug Information

**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 2 MG  
NALOXONE -- 0.5 MG

**Color:** orange

**NDC:** 12496-1283-02

**Shape:** Six-sided

**Regulatory Status:** Schedule III

**Imprint:** N2 ; Sword Logo

**Availability:** United States

**Form:** Oral Tablet

**Product ID:** 6370988

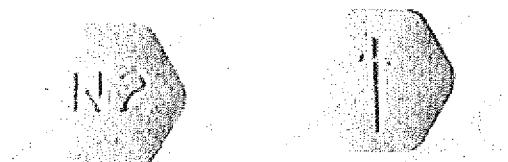
**Available-Container-Size:** Bottle of 30

**Contact:** Reckitt Benckiser

**AAPCC Code:** 200625 -

Pharmaceuticals

Buprenorphine



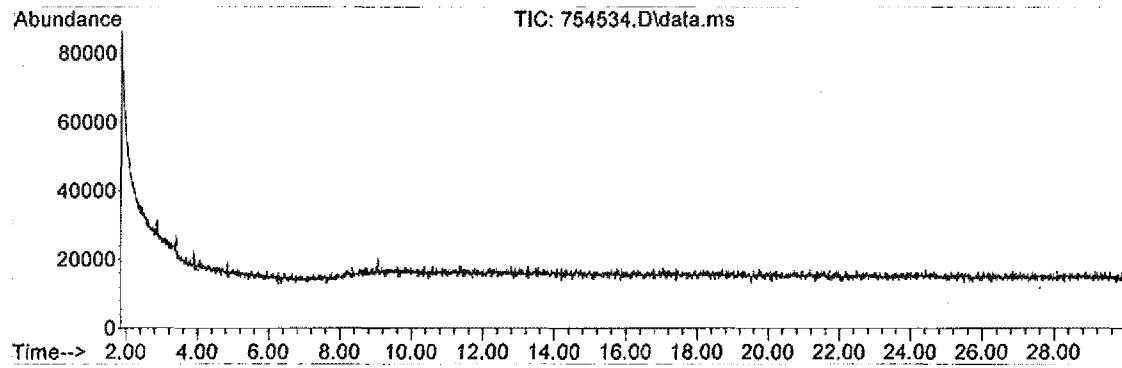
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✓PP:O

9-23-11

## Information from Data File:

File Name : D:\System8\11\_12\_10\754534.D  
Operator : P. PIRO  
Date Acquired : 12 Nov 2010 23:33  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

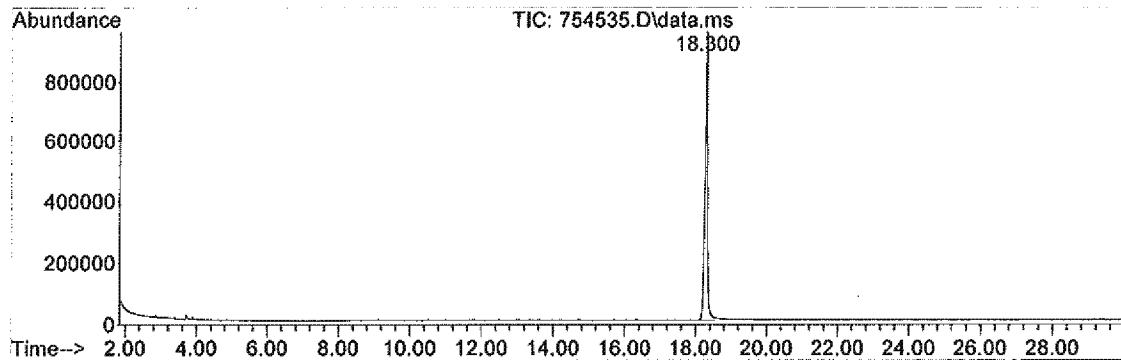


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : D:\System8\11\_12\_10\754535.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 00:06  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 35  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



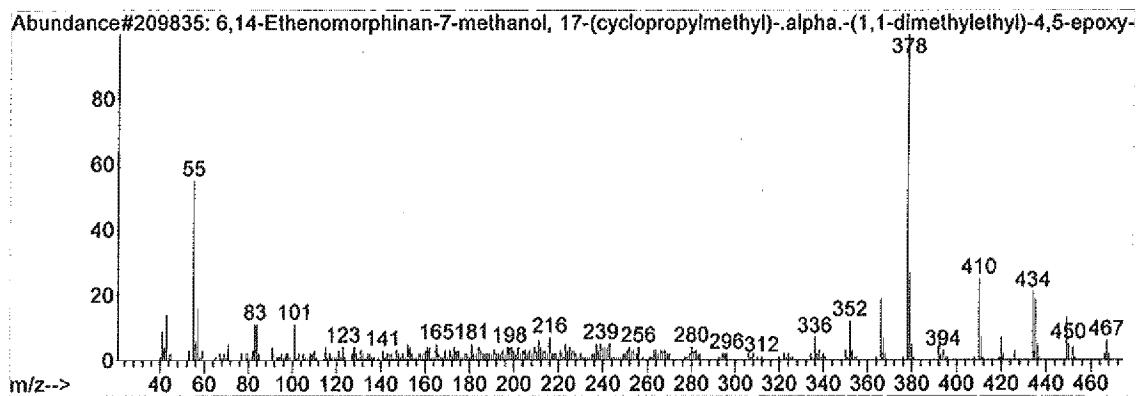
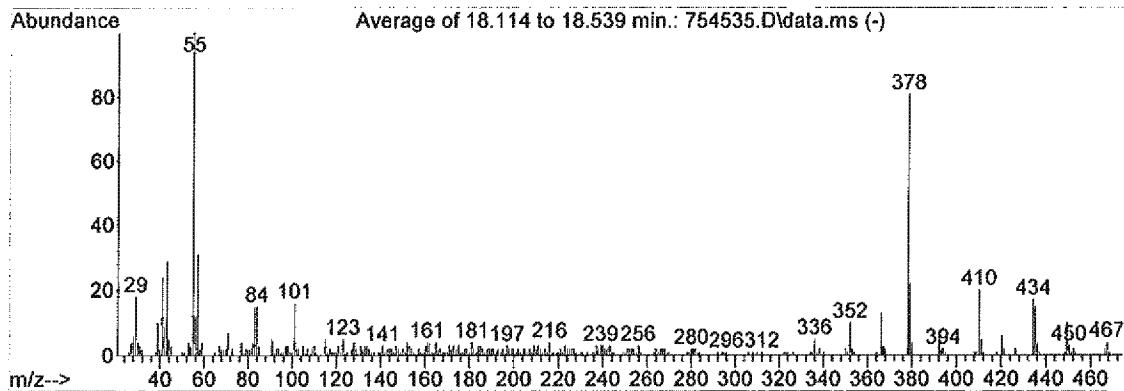
Ret. Time	Area	Area %	Ratio %
18.300	4585580	100.00	100.00

## Information from Data File:

File Name : D:\System8\11\_12\_10\754535.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 00:06  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 35  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	18.30	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	94

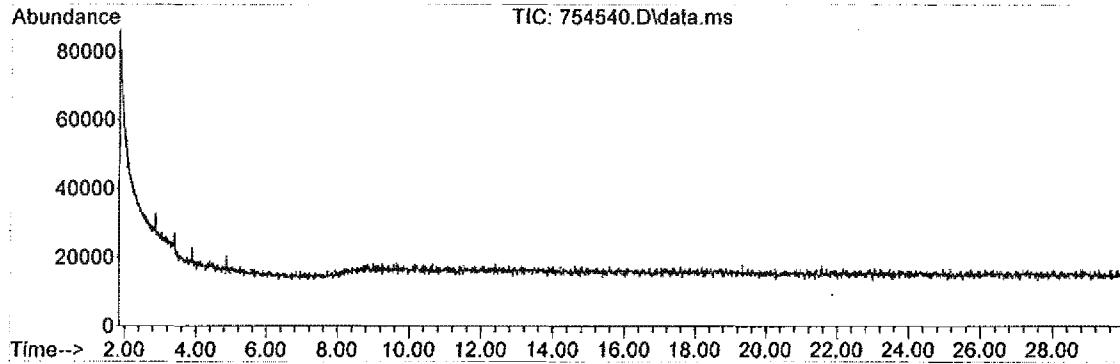


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Information from Data File:

File Name : D:\System8\11\_12\_10\754540.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 2:52  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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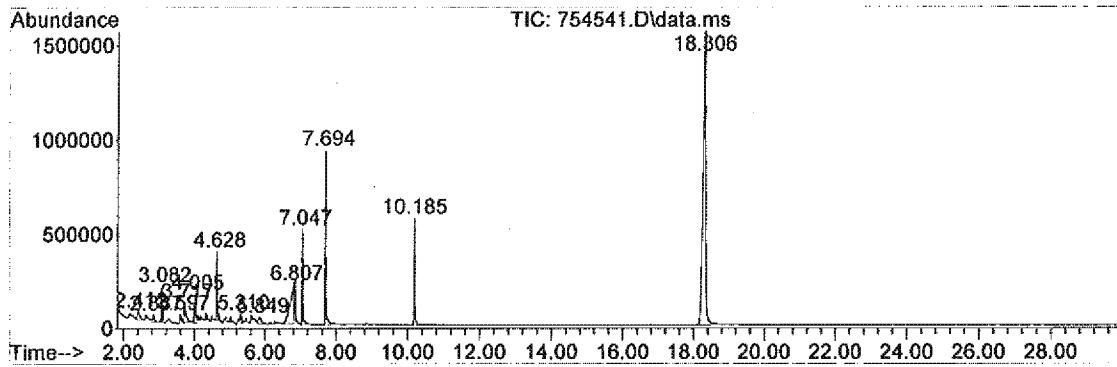
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 3:25  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 41  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



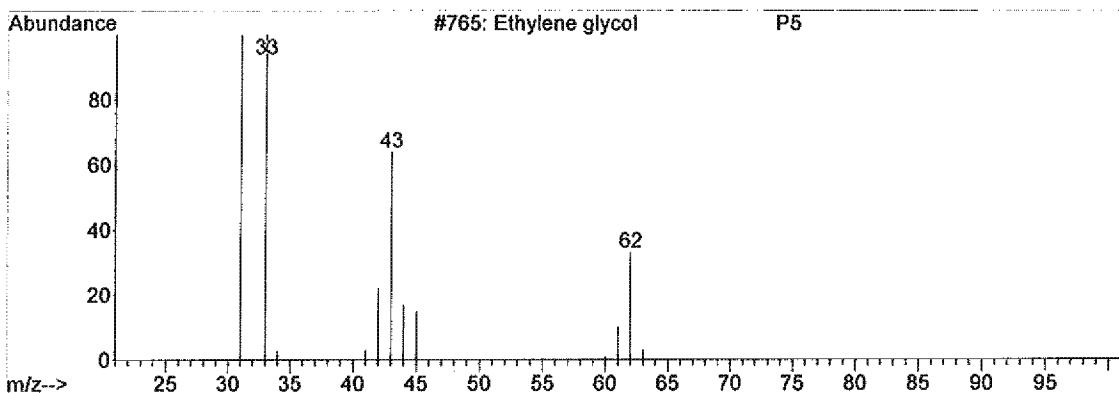
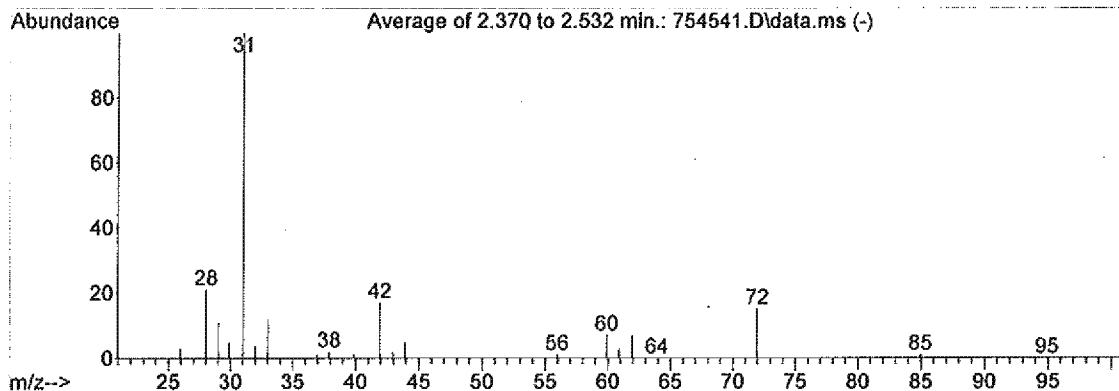
Ret. Time	Area	Area %	Ratio %
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2.837	108027	0.75	1.34
3.082	309926	2.16	3.84
3.597	152164	1.06	1.89
3.717	406662	2.83	5.04
4.005	287613	2.00	3.56
4.628	460182	3.20	5.70
5.310	109501	0.76	1.36
5.849	187432	1.30	2.32
6.807	1505855	10.47	18.66
7.047	612417	4.26	7.59
7.694	1042116	7.25	12.92
10.185	937776	6.52	11.62
18.306	8068312	56.11	100.00

## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 3:25  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 41  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.41	C:\Database\PMW_TOX2.L		
		Ethylene glycol	000107-21-1	4
		Salacetamide	000487-48-9	1
		2,4-Dinitrophenol	@ 000051-28-5	1

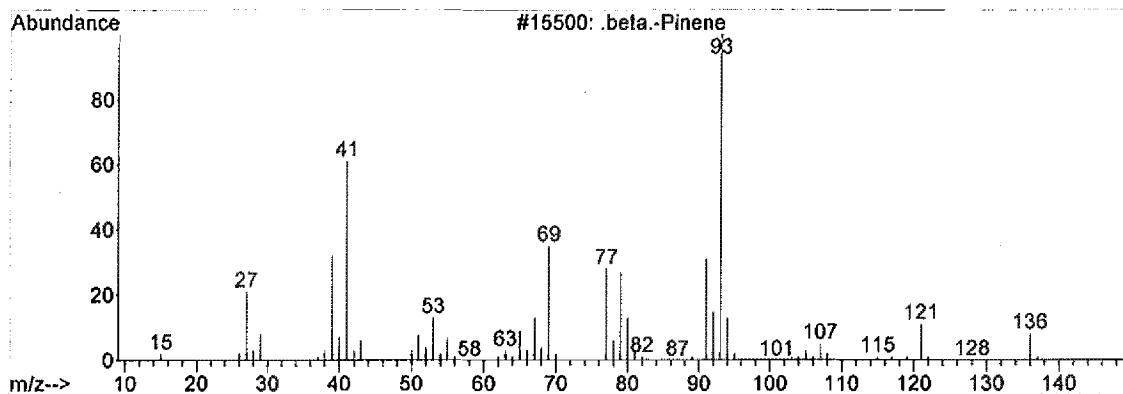
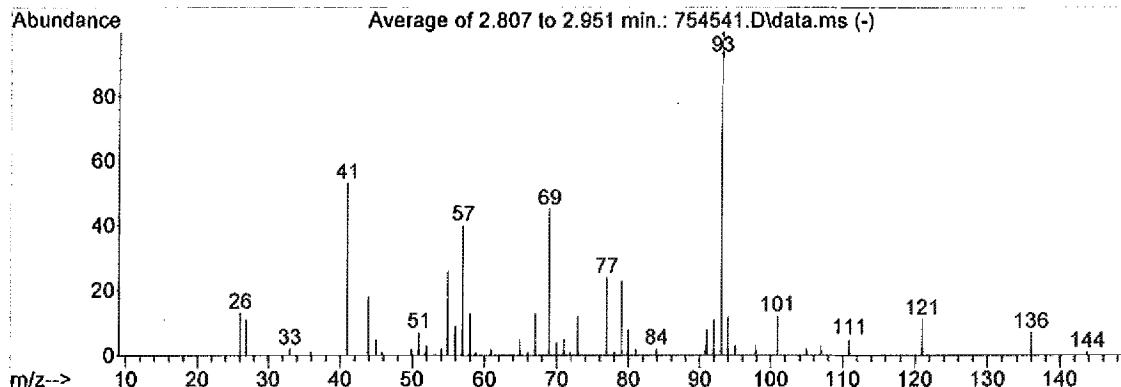


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 3:25  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 41  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.84	C:\Database\NIST08.L		
		.beta.-Pinene	000127-91-3	87
		Tricyclo[2.2.1.0(2,6)]heptane, 1,7,	000508-32-7	81
		.beta.-Pinene	000127-91-3	81

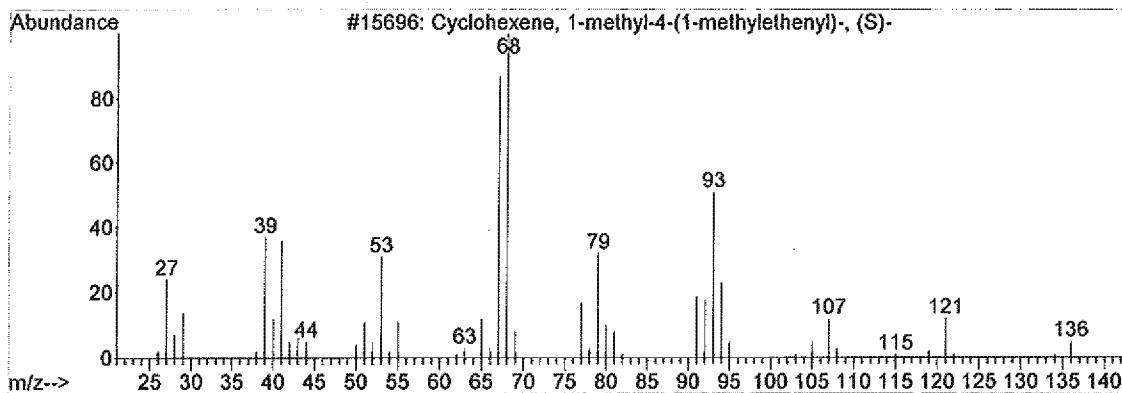
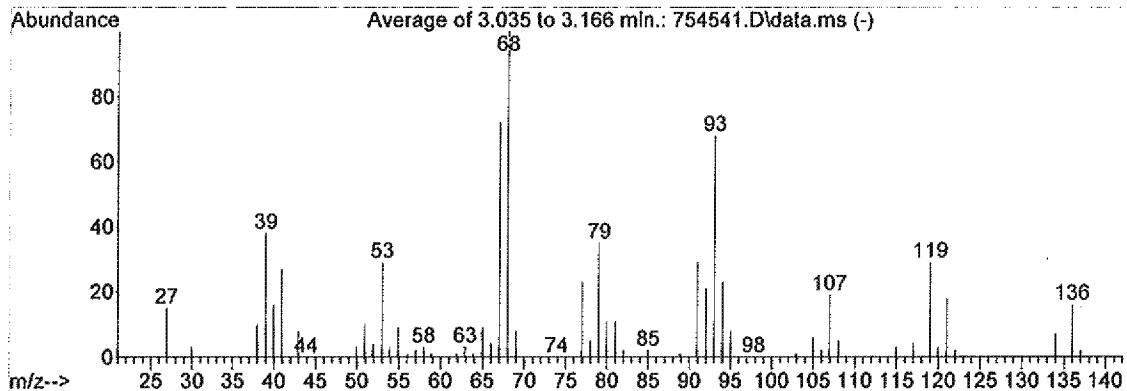


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.08	C:\Database\NIST08.L		
		Cyclohexene, 1-methyl-4-(1-methylethyl)	005989-54-8	94
		D-Limonene	005989-27-5	94
		D-Limonene	005989-27-5	90

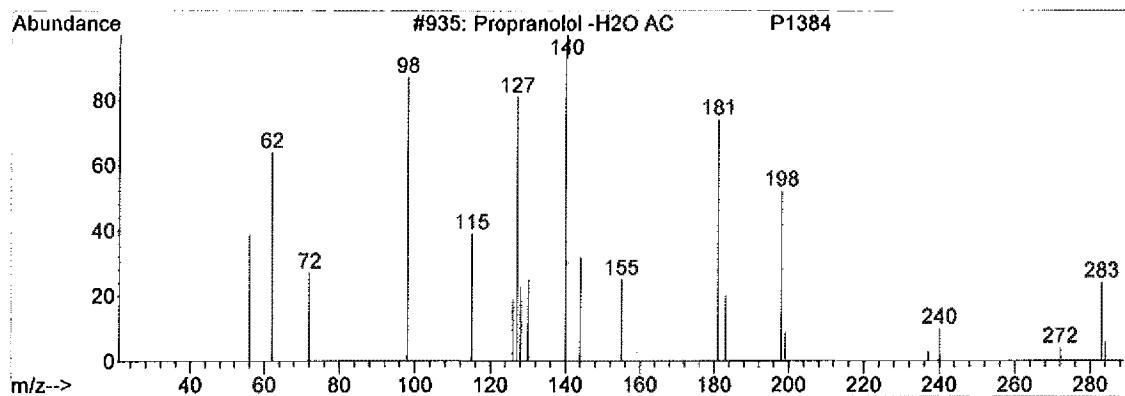
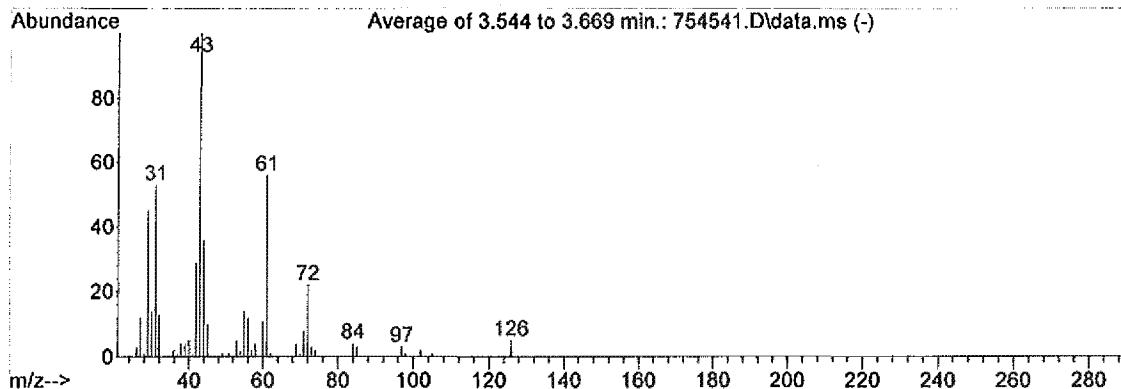


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File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	3.60	C:\Database\PMW_TOX2.L		
		Propranolol -H2O AC	000000-00-0	7
		Acetic acid anhydride	000108-24-7	2
		Monolinuron	001746-81-2	2

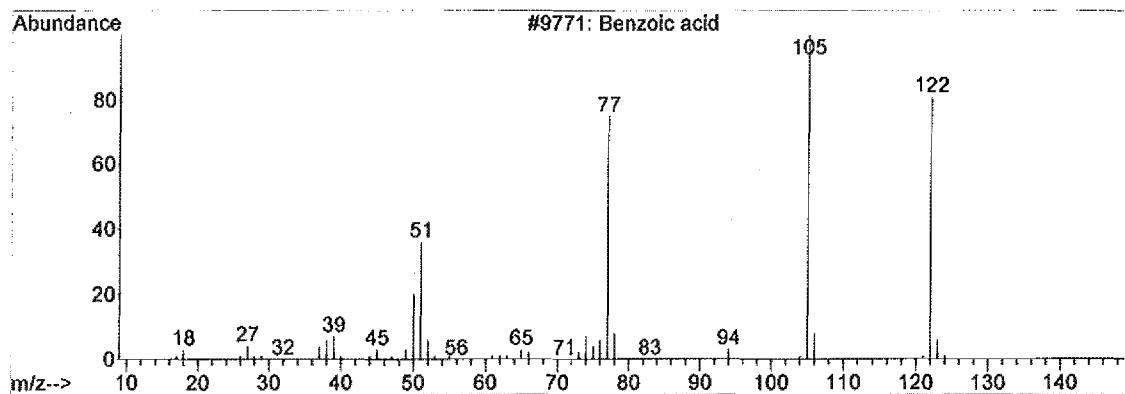
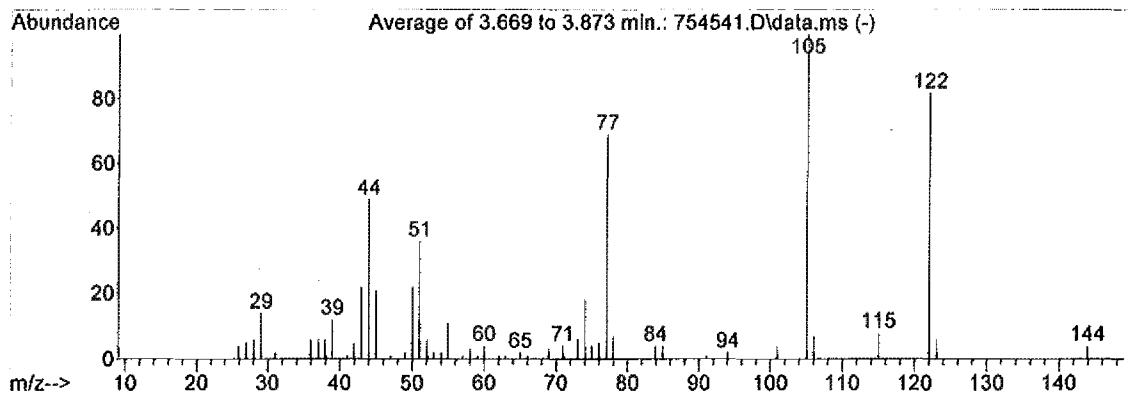


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	3.72	C:\Database\NIST08.L		
		Benzoic acid	000065-85-0	95
		Benzoic acid	000065-85-0	94
		Cyclobutane-1,1-dicarboxamide, N,N'	1000253-25-3	64

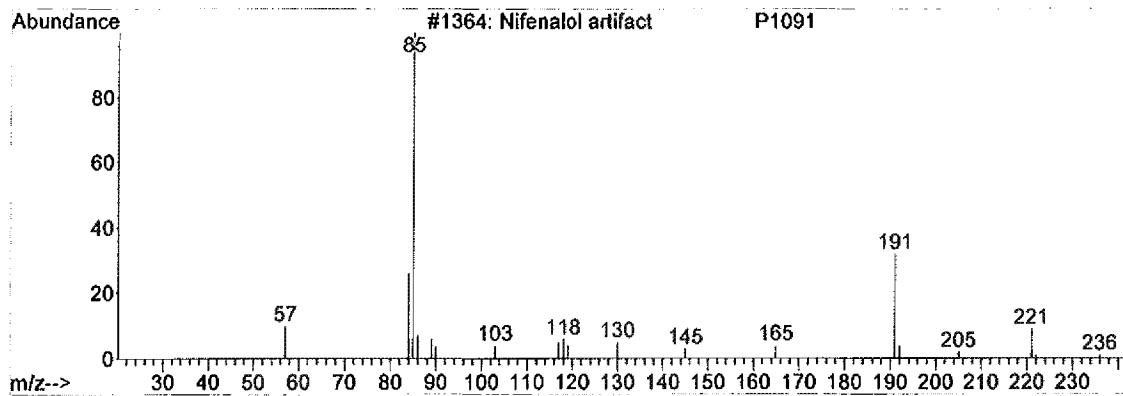
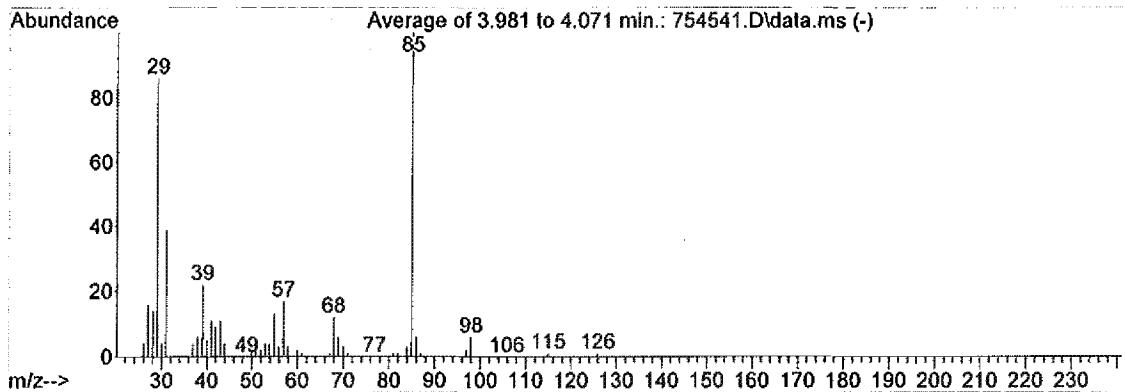


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P. PIRO  
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 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	4.00	C:\Database\PMW_TOX2.L		
		Nifenalol artifact	000000-00-0	2
		Dichlorodifluoromethane	@ 000075-71-8	2
		Mefruside ME	000000-00-0	1

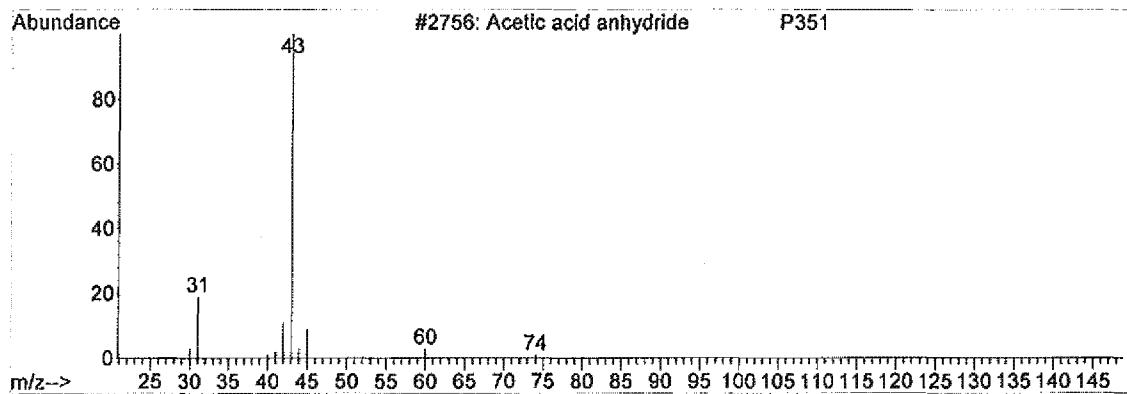
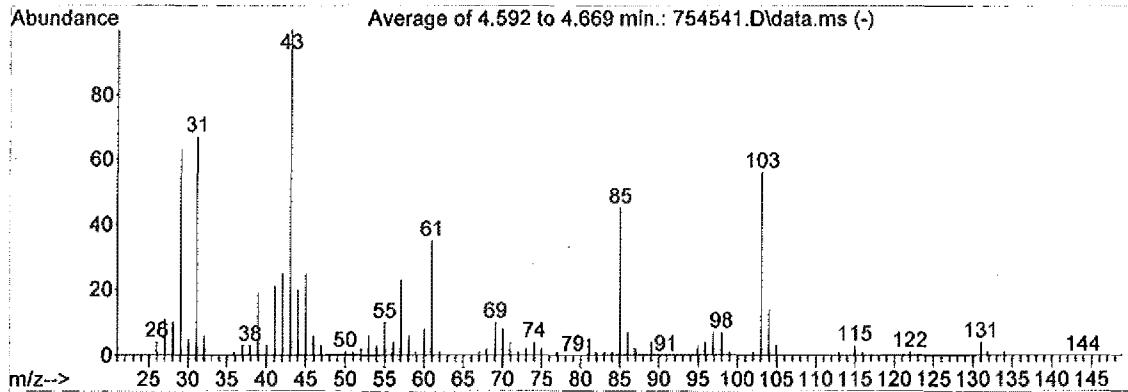


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	4.63	C:\Database\PMW_TOX2.L		
		Acetic acid anhydride	000108-24-7	9
		Ethylacetate	@ 000141-78-6	4
		Ethanol	000064-17-5	1

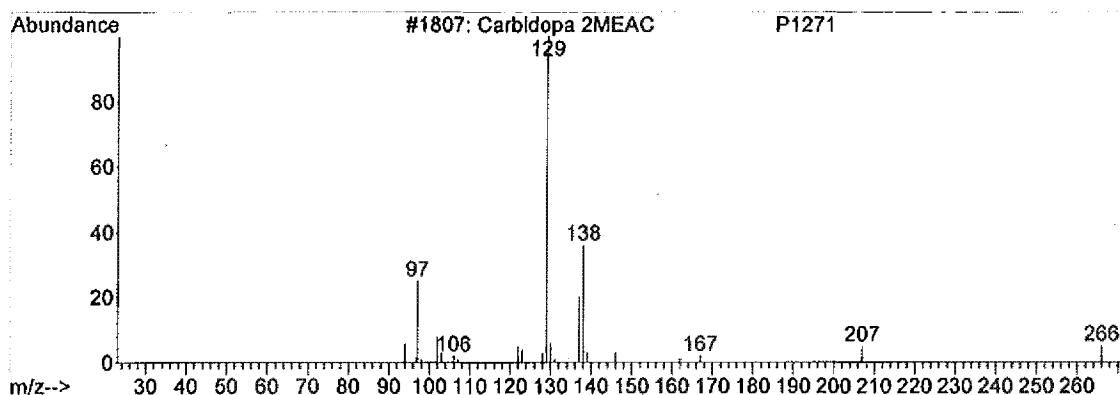
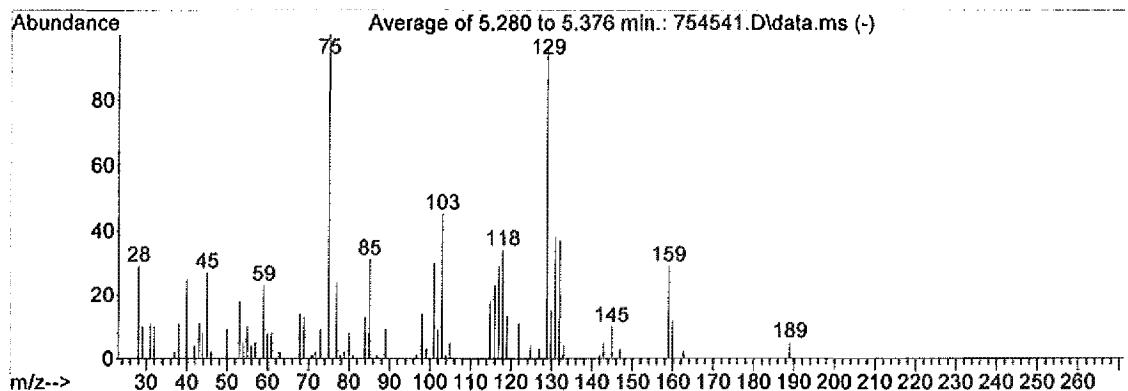


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
8	5.31	C:\Database\PMW_TOX2.L		
		Carbidopa 2MEAC	000000-00-0	2
		Secobarbital-M (desallyl-)	@ 000000-00-0	2

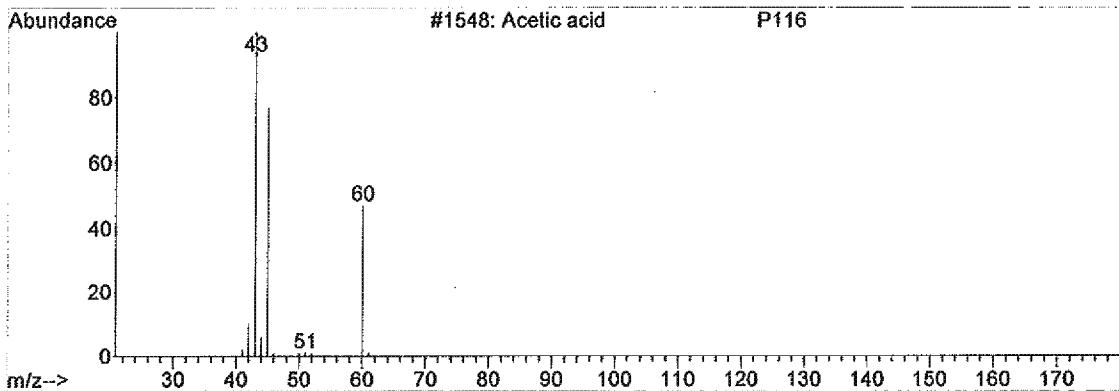
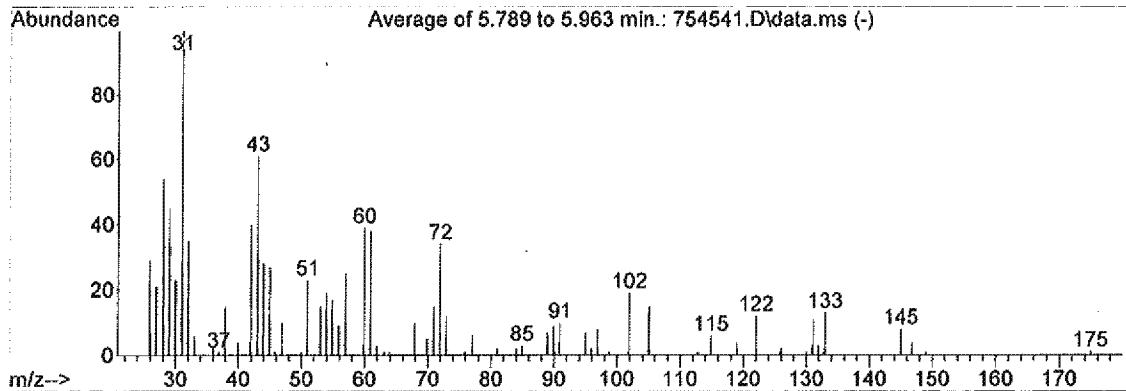


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 3:25  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 41  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
9	5.85	C:\Database\PMW_TOX2.L		
		Acetic acid	000064-19-7	7
		Acetic acid anhydride	000108-24-7	1
		Methanol	000067-56-1	1

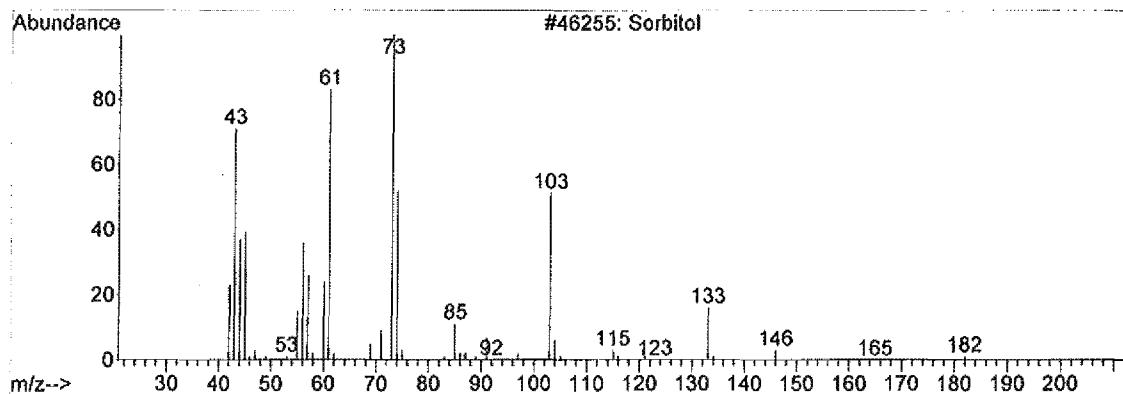
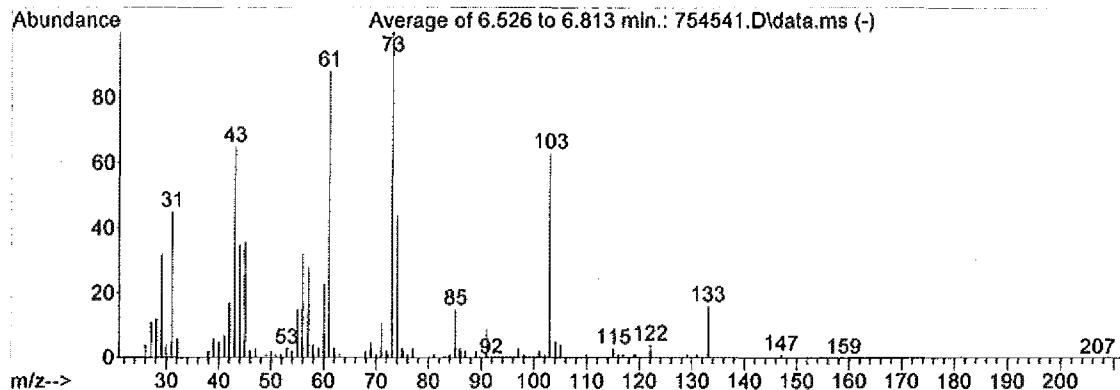


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
10	6.81	C:\Database\NIST08.L		
		Sorbitol	000050-70-4	91
		Sorbitol	000050-70-4	91
		Sorbitol	000050-70-4	83

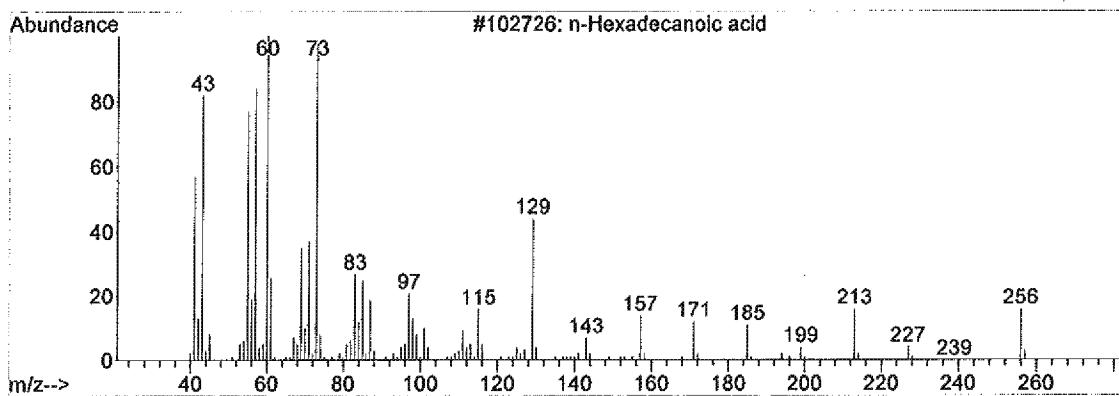
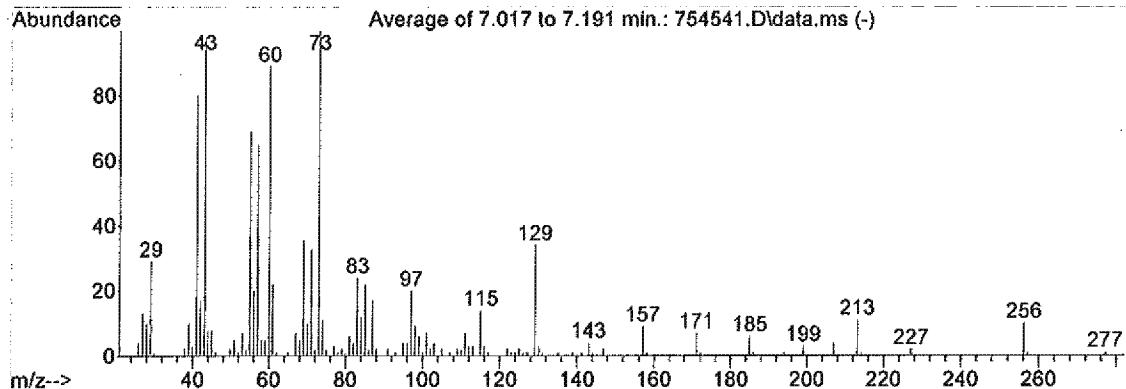


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 3:25  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 41  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
11	7.05	C:\Database\NIST08.L		
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	91

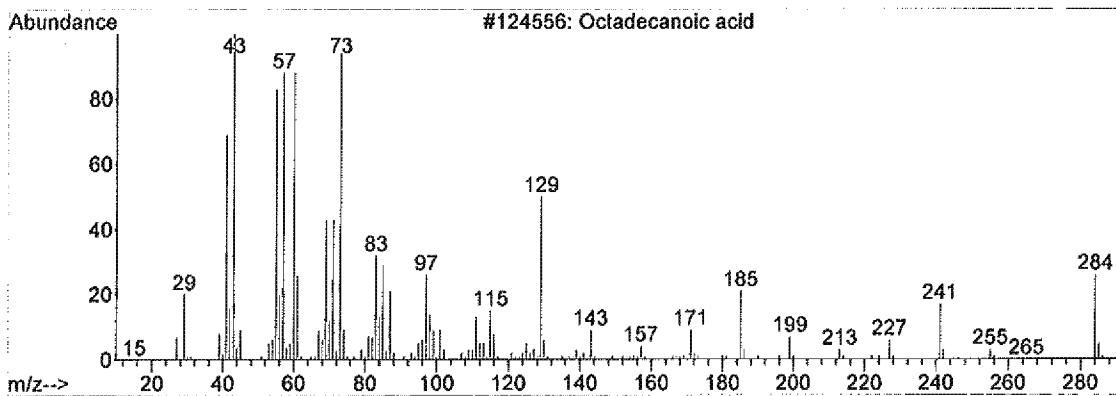
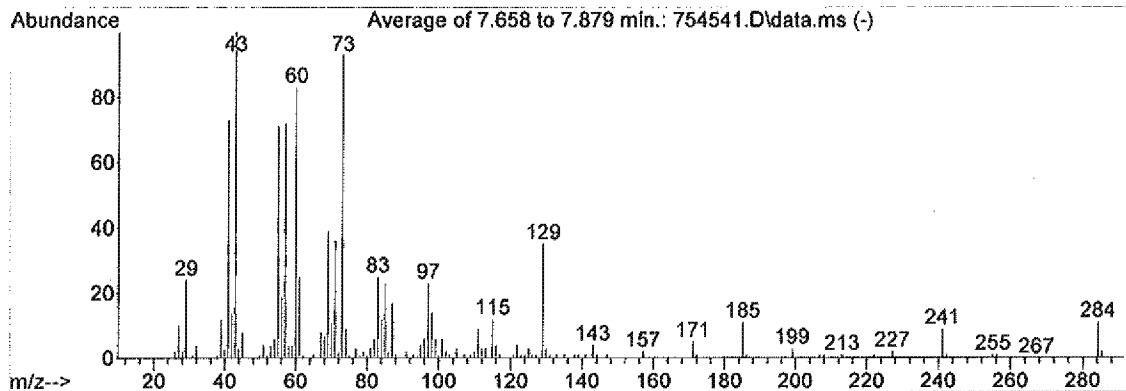


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
12	7.69	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	96
		Octadecanoic acid	000057-11-4	95

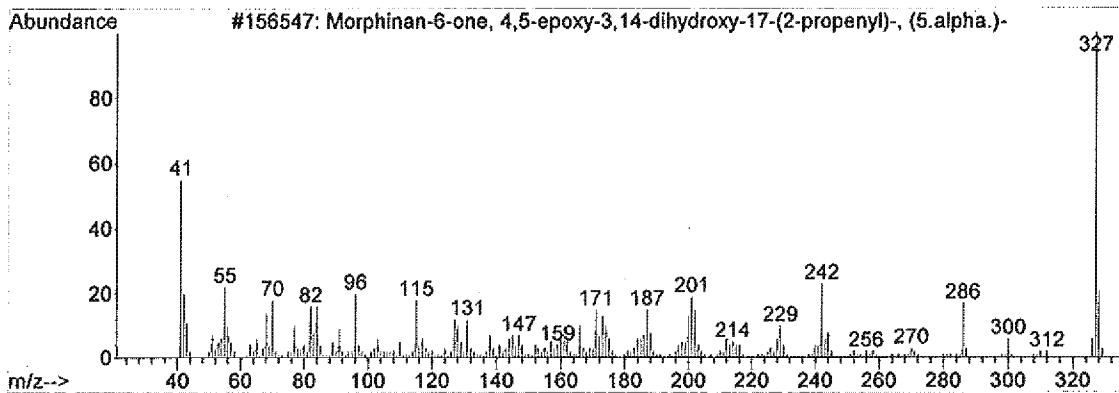
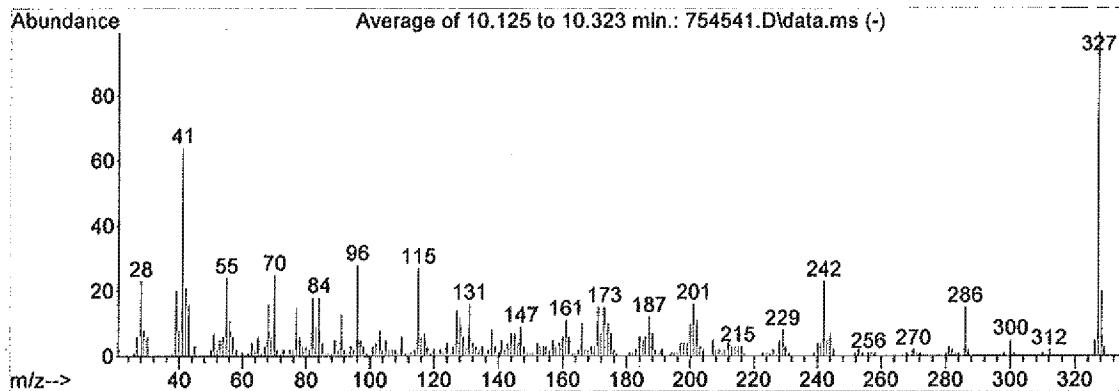


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
13	10.18	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	95
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	90

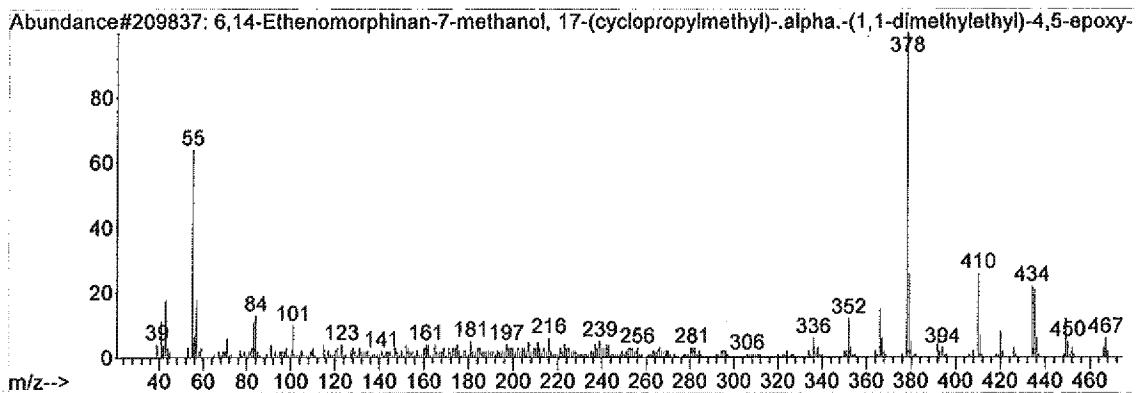
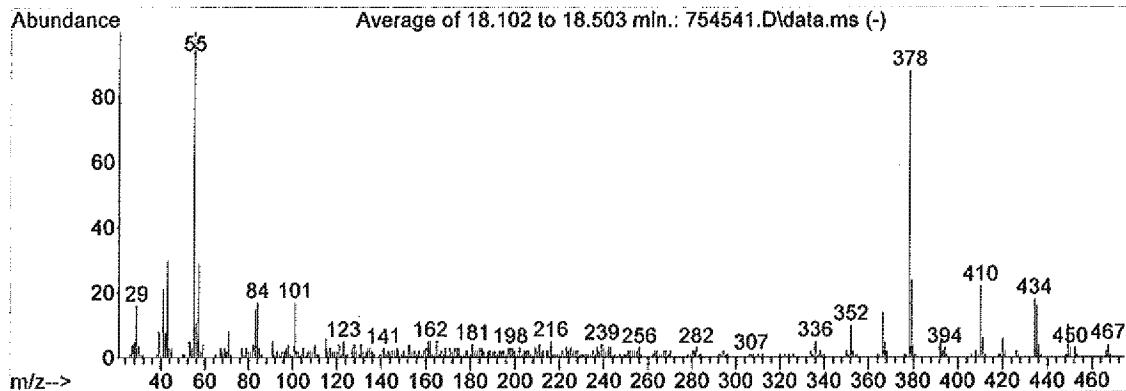


## Information from Data File:

File Name : D:\System8\11\_12\_10\754541.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 3:25  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 41  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
14	18.31	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95

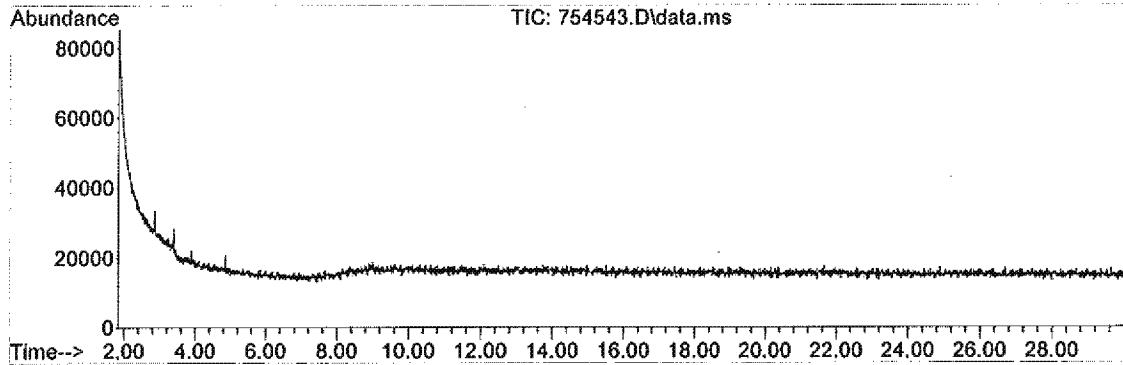


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Information from Data File:

File Name : D:\System8\11\_12\_10\754543.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 4:31  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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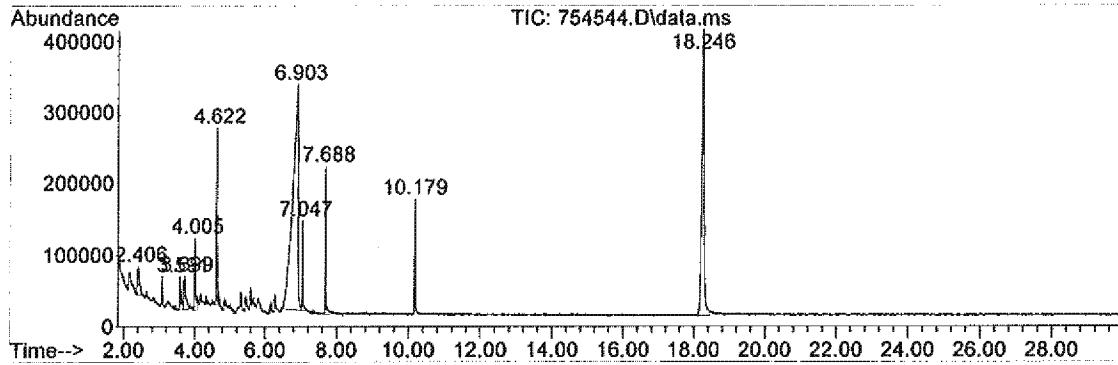
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE



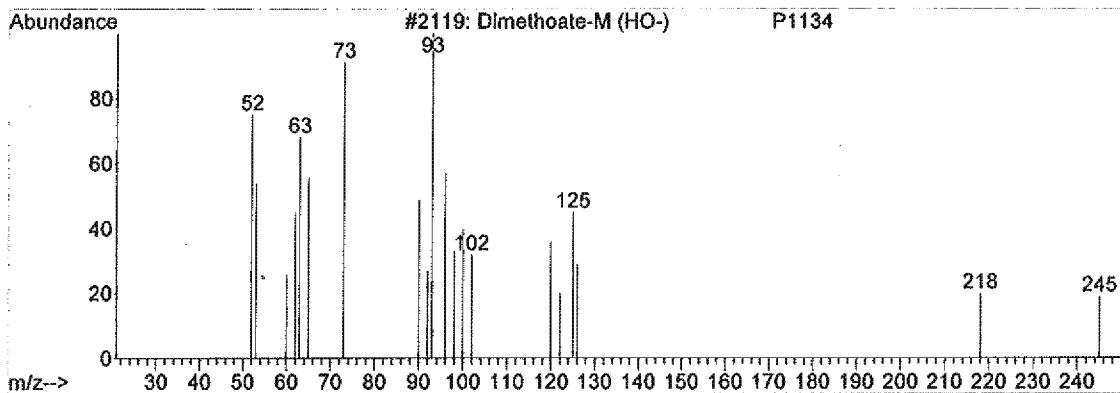
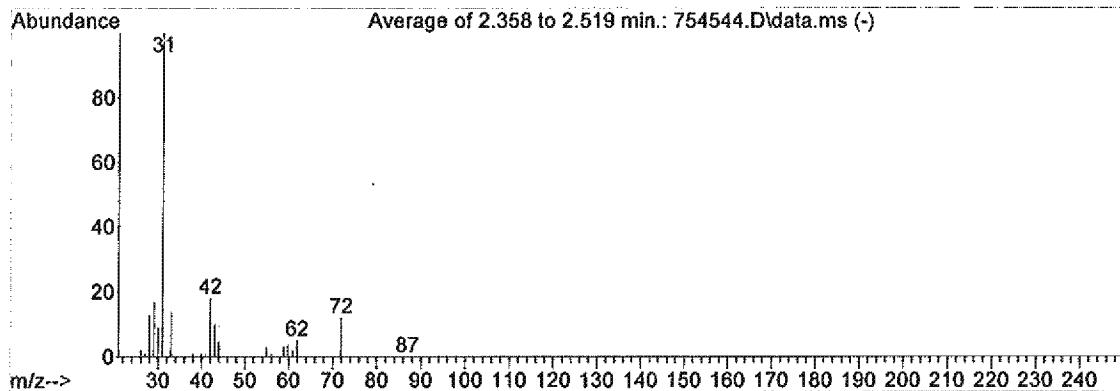
Ret. Time	Area	Area %	Ratio %
2.406	167383	2.48	5.01
3.591	113533	1.68	3.40
3.699	184852	2.73	5.53
4.005	190890	2.82	5.72
4.622	329764	4.88	9.87
6.903	3339743	49.41	100.00
7.047	149225	2.21	4.47
7.688	215839	3.19	6.46
10.179	235851	3.49	7.06
18.246	1832682	27.11	54.87

## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.41	C:\Database\PMW_TOX2.L		
		Dimethoate-M (HO-)	000000-00-0	9
		Ethylene glycol	000107-21-1	9
		Dimethoate-M (HOOC-) ME	000000-00-0	7

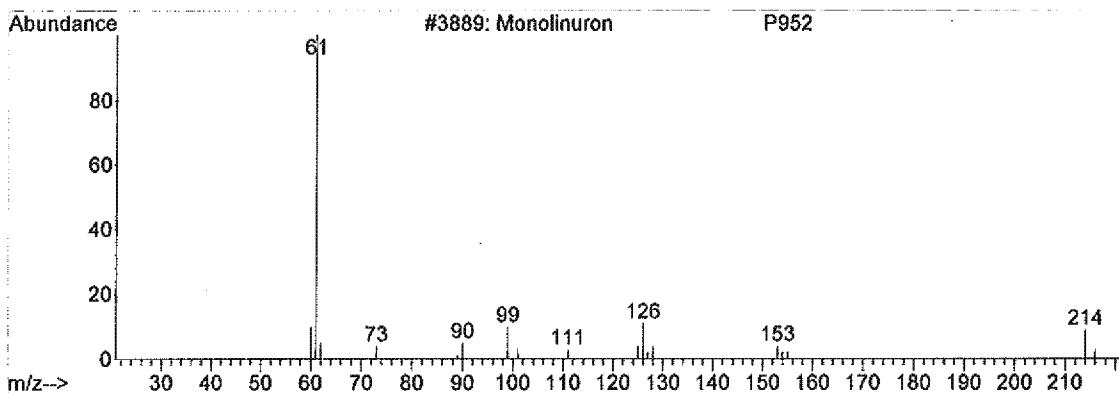
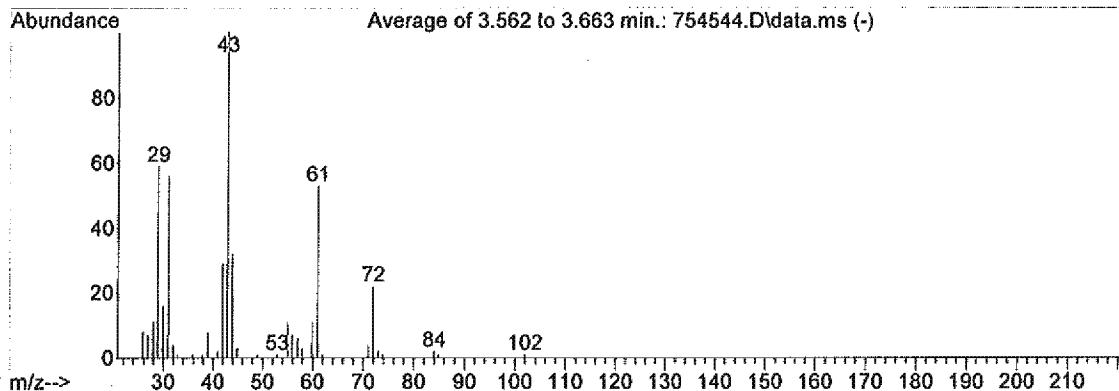


## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.59	C:\Database\PMW_TOX2.L		
		Monolinuron	001746-81-2	2
		Acetic acid anhydride	000108-24-7	2
		Methanol	000067-56-1	1

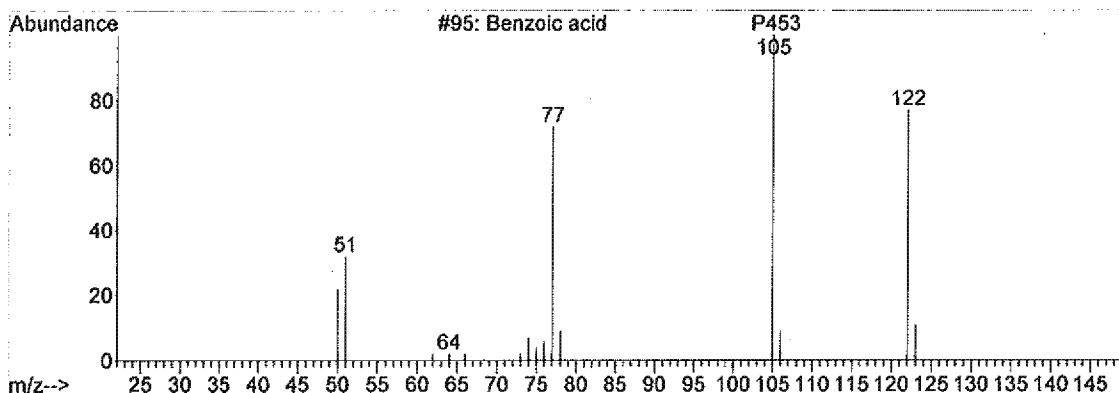
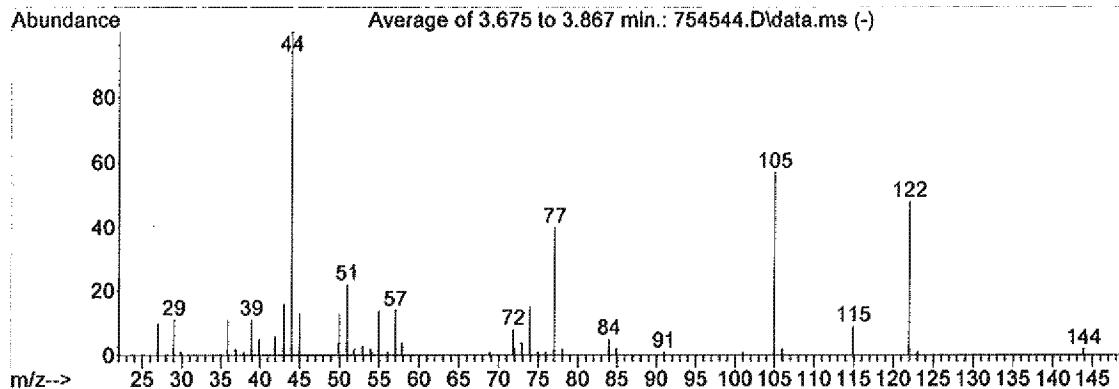


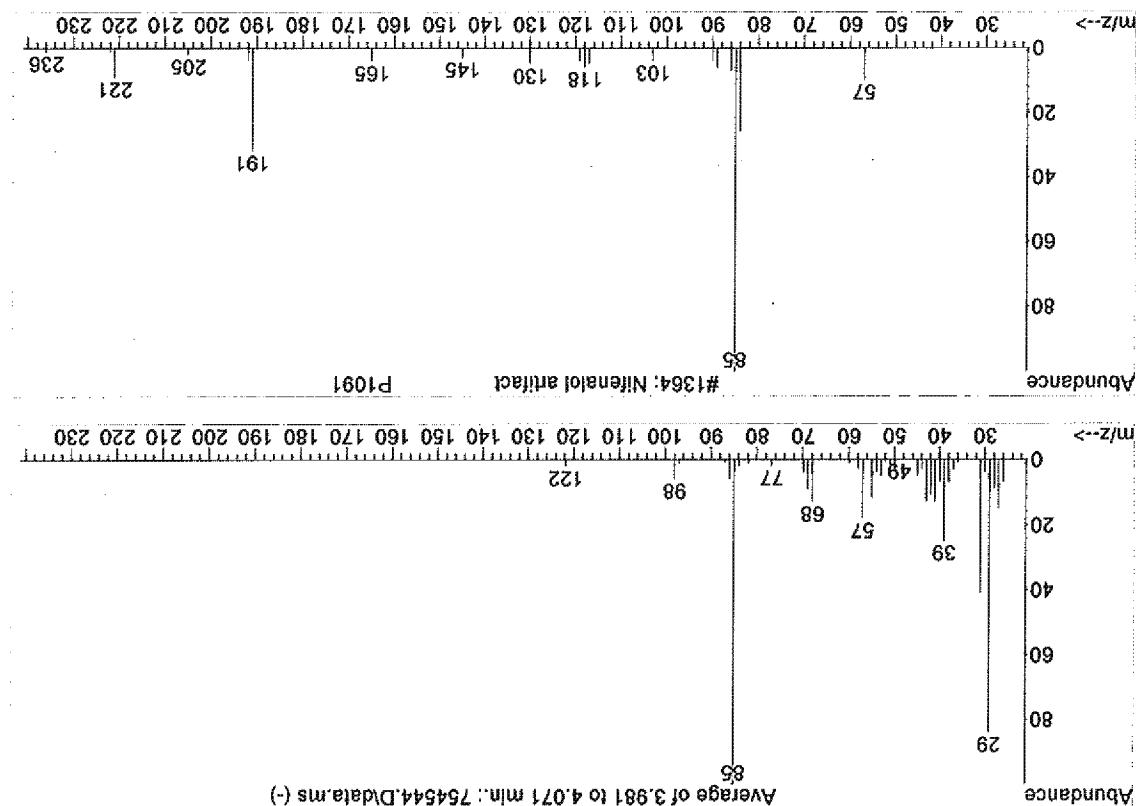
## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 5:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 44  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.70	C:\Database\PMW_TOX2.L		
		Benzoic acid	000065-85-0	45
		PCDI precursor (dimethylamine)	000124-40-3	2
		Benzoic acid anhydride	000093-97-0	1





Information from Data File: 754544.D

File Name : D:\Systems\11\_12\_10\754544.D

Operator : P.PIR0

Date Acquired : 13 NOV 2010 5:04

Sample Name : [REDACTED]

Submitted by : ASD

Final Number : 44

AgquisitionMethod: WSCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

Search Libraries: C:\Database\NIST08.L

Minimum Quality: 80

PK# RT Library/ID CAS# Qual

4 4.00 C:\Database\PMW\_TOX2.L Nifenedi1 acetate 00000-00-0 2

00000-00-0 Dichlorodifluoromethane 0 000075-71-8 2

00000-00-0 Nifenedi1 acetate 00000-00-0 1

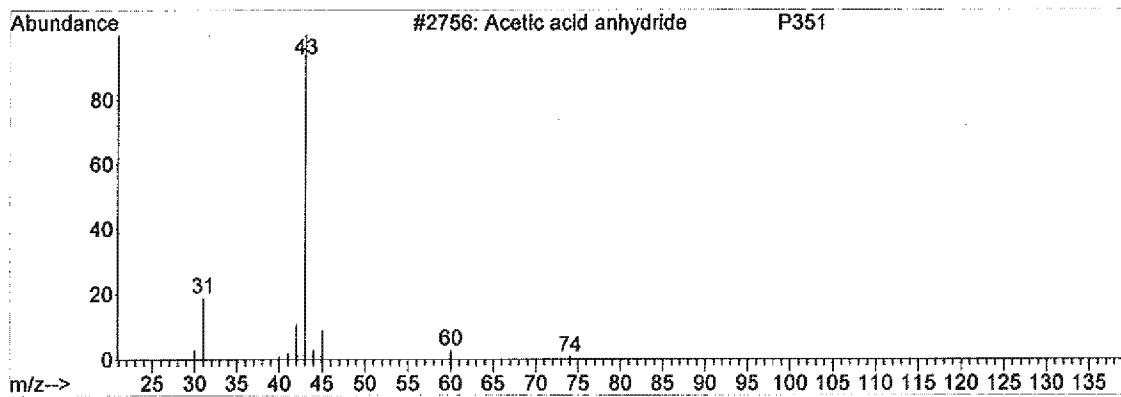
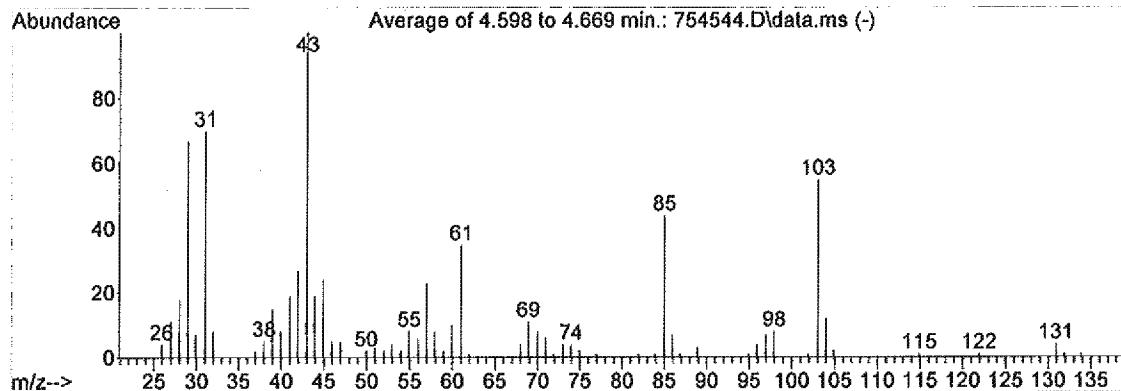
00000-00-0 Meftruside ME 000000-00-0 1

## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 5:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 44  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	4.62	C:\Database\PMW_TOX2.L		
		Acetic acid anhydride	000108-24-7	10
		Acetic acid	000064-19-7	4
		Ethylacetate	@ 000141-78-6	2

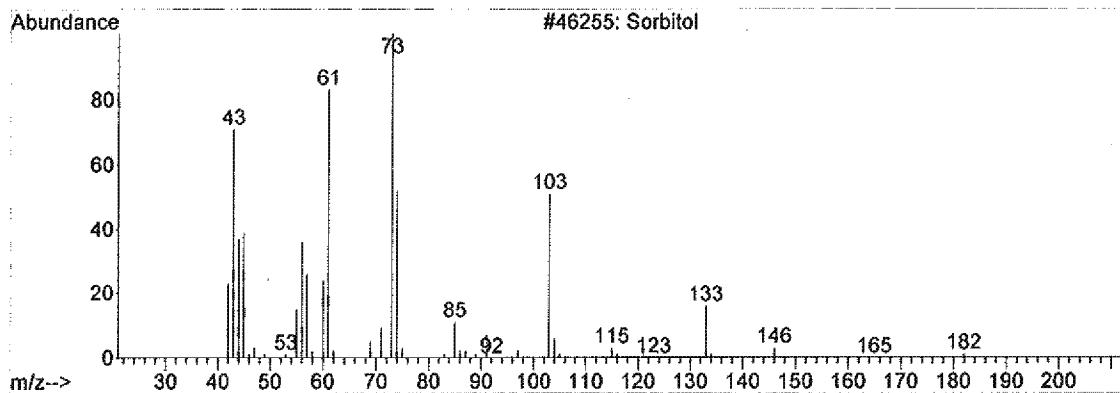
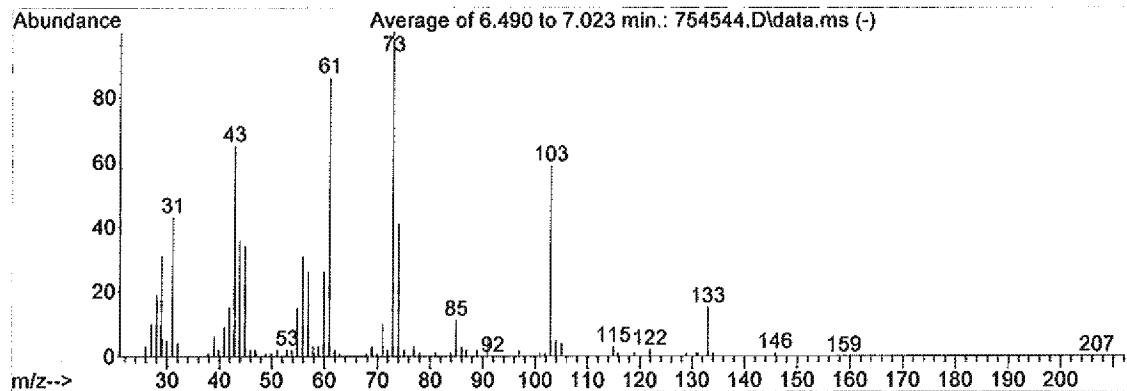


## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	6.90	C:\Database\NIST08.L		
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	86
		Sorbitol	000050-70-4	83

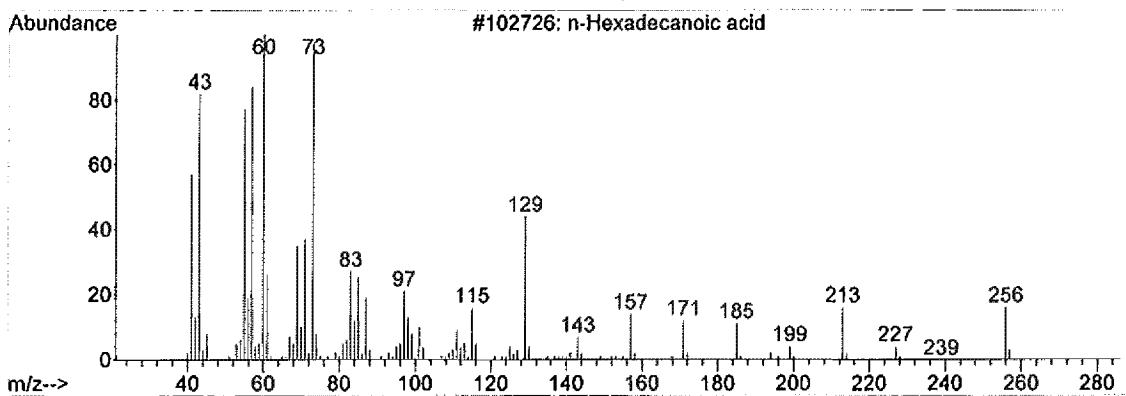
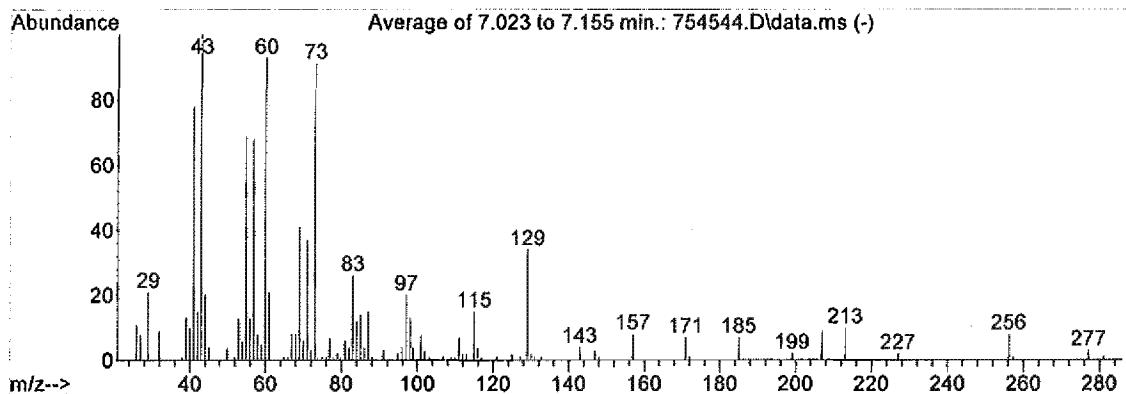


## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	7.05	C:\Database\NIST08.L		
		n-Hexadecanoic acid	000057-10-3	93
		n-Hexadecanoic acid	000057-10-3	91
		n-Hexadecanoic acid	000057-10-3	86

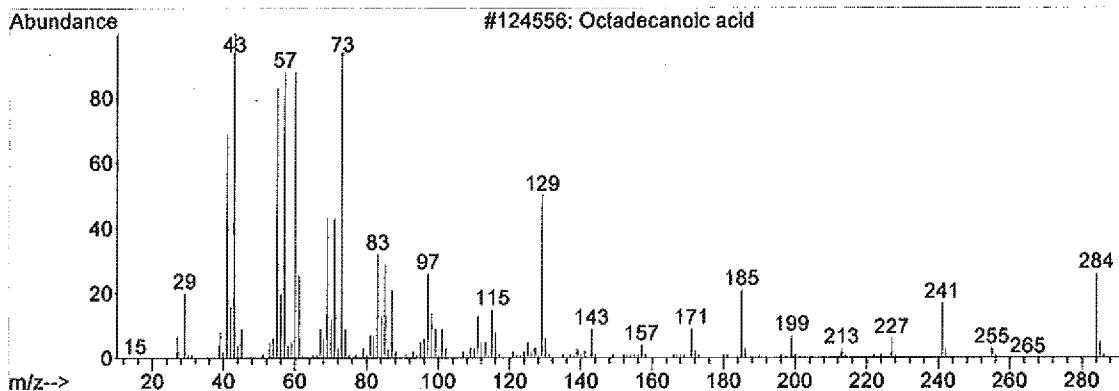
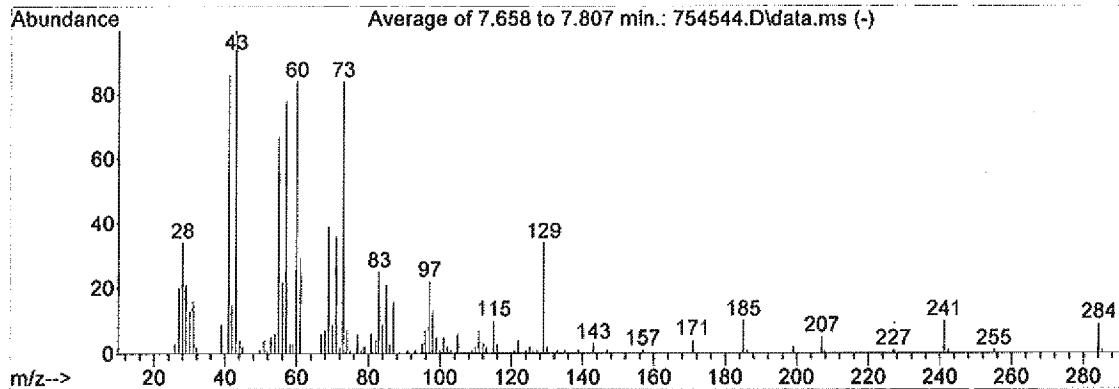


## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 5:04  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 44  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
8	7.69	C:\Database\NIST08.L		
		Octadecanoic acid	000057-11-4	99
		Octadecanoic acid	000057-11-4	94
		Octadecanoic acid	000057-11-4	93

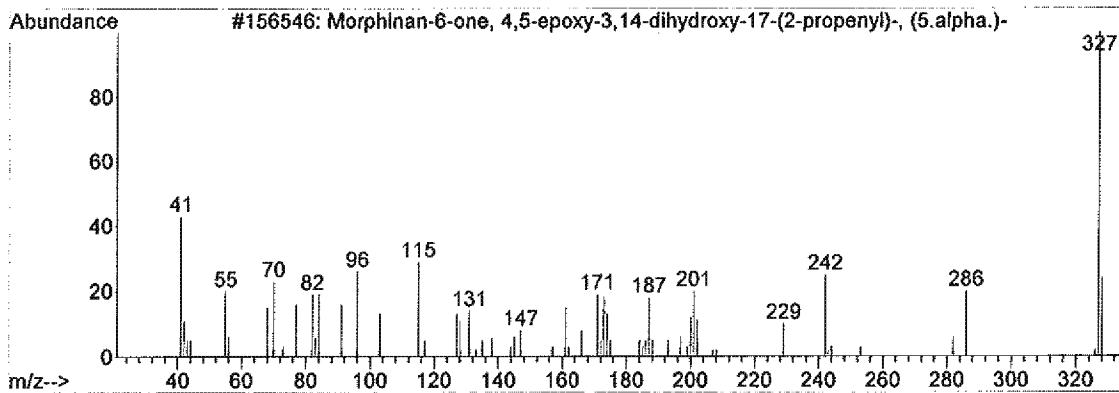
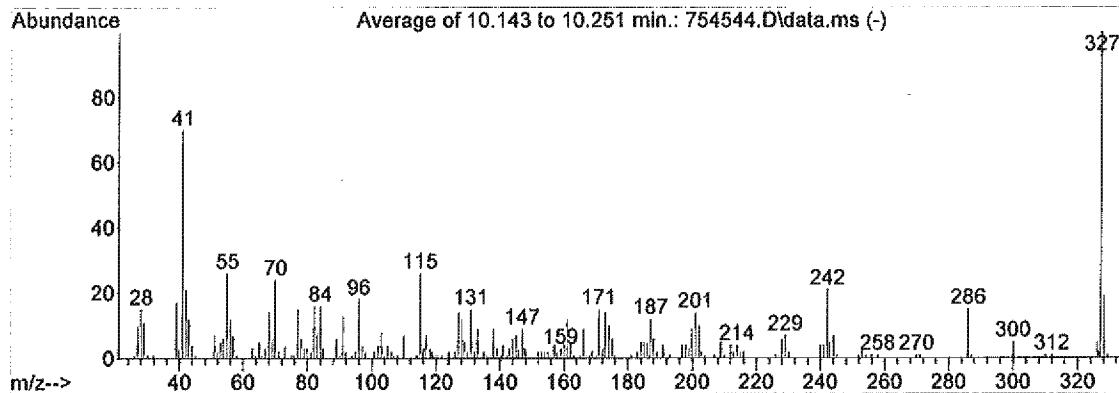


## Information from Data File:

File Name : D:\System8\11\_12\_10\754544.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 5:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 44  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
9	10.18	C:\Database\NIST08.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	99
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	93

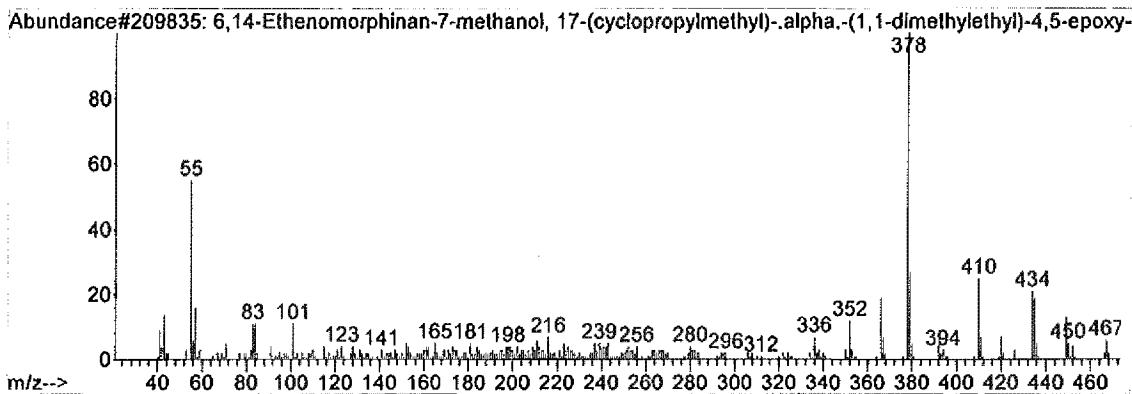
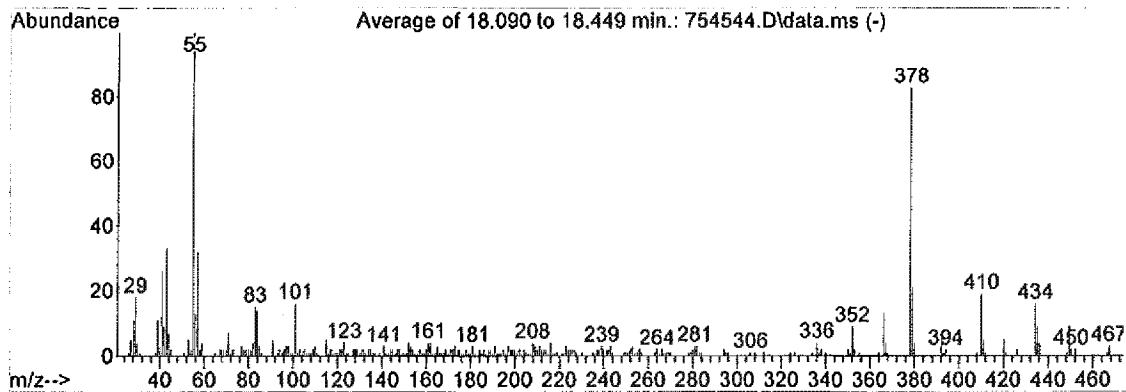


## Information from Data File:

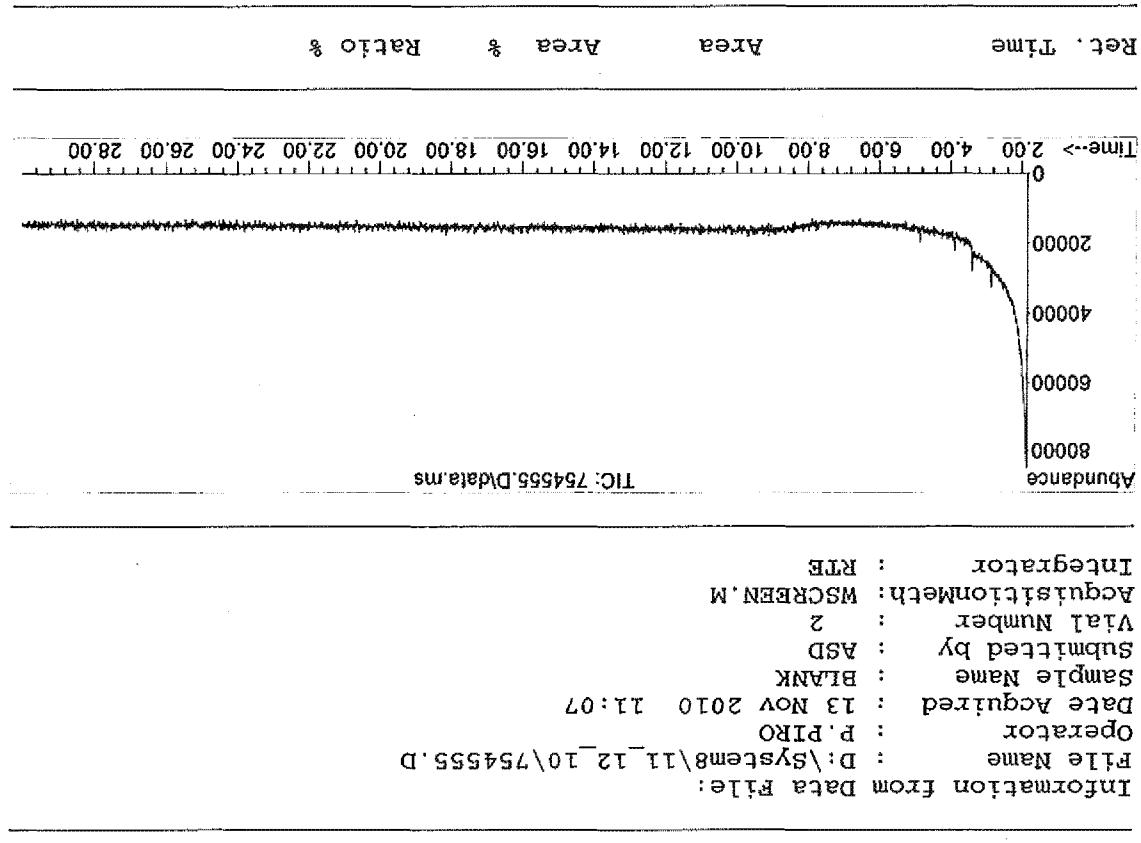
File Name : D:\System8\11\_12\_10\754544.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 5:04  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 44  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
10	18.25	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	99
		6,14-Ethenomorphinan-7-methanol,	17 052485-79-7	83



\*\*\*NO INTEGRATED PEAKS\*\*\*

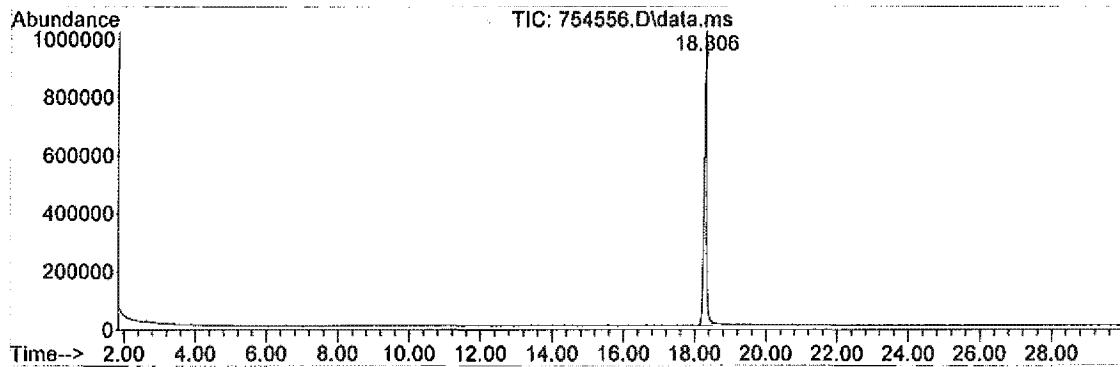


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Information from Data File:

File Name : D:\System8\11\_12\_10\754556.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 11:40  
Sample Name : BUPRENORPHINE STD  
Submitted by : ASD  
Vial Number : 35  
AcquisitionMeth: WSCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
18.306	4828475	100.00	100.00

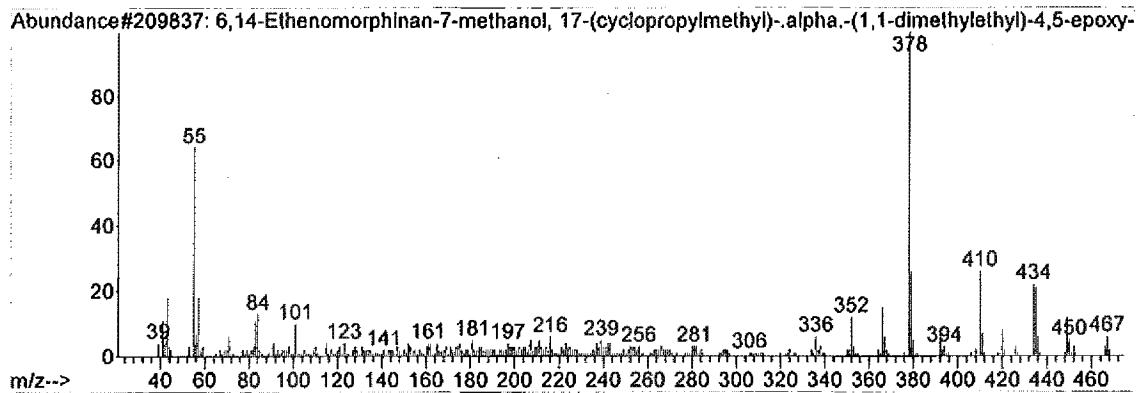
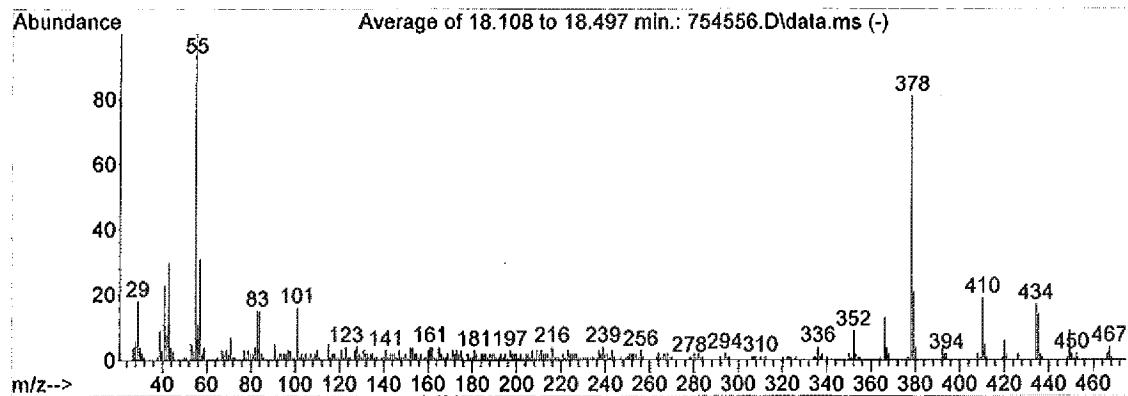
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## Information from Data File:

File Name : D:\System8\11\_12\_10\754556.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 11:40  
 Sample Name : BUPRENORPHINE STD  
 Submitted by : ASD  
 Vial Number : 35  
 AcquisitionMeth: WSCREEN.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	18.31	C:\Database\NIST08.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	99
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95

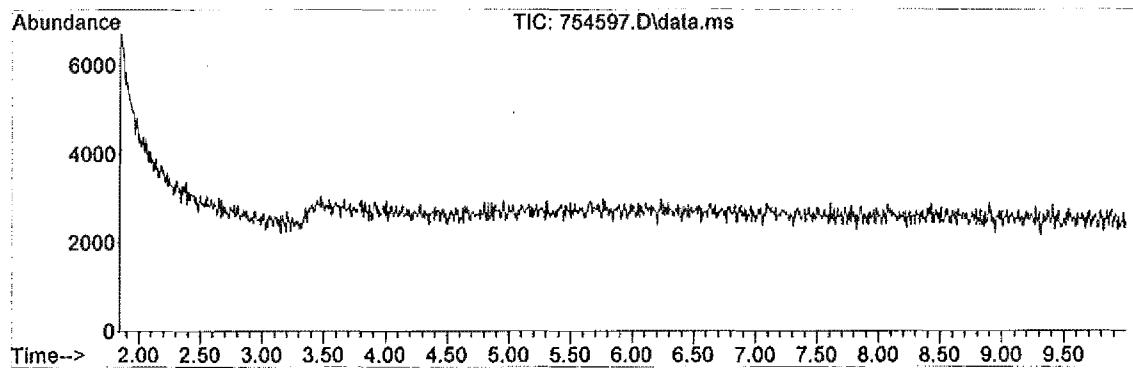


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Information from Data File:

File Name : D:\System8\11\_12\_10\754597.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 22:52  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

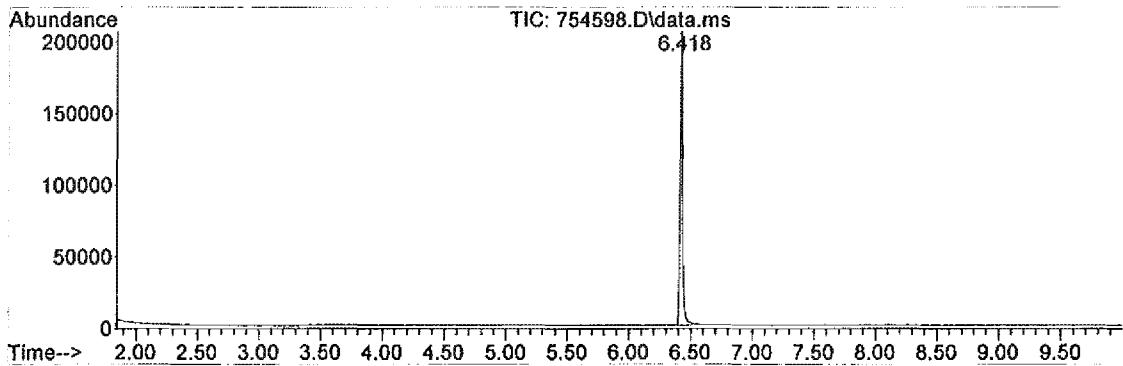
Area Percent / Library Search Report

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Information from Data File:

File Name : D:\System8\11\_12\_10\754598.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 23:05  
Sample Name : OXYCODONE STD  
Submitted by : ASD  
Vial Number : 98  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.418	280743	100.00	100.00

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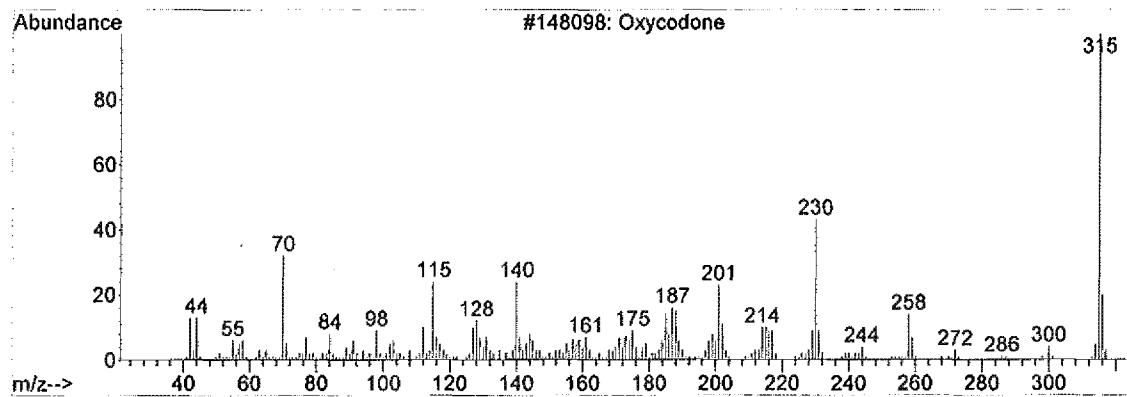
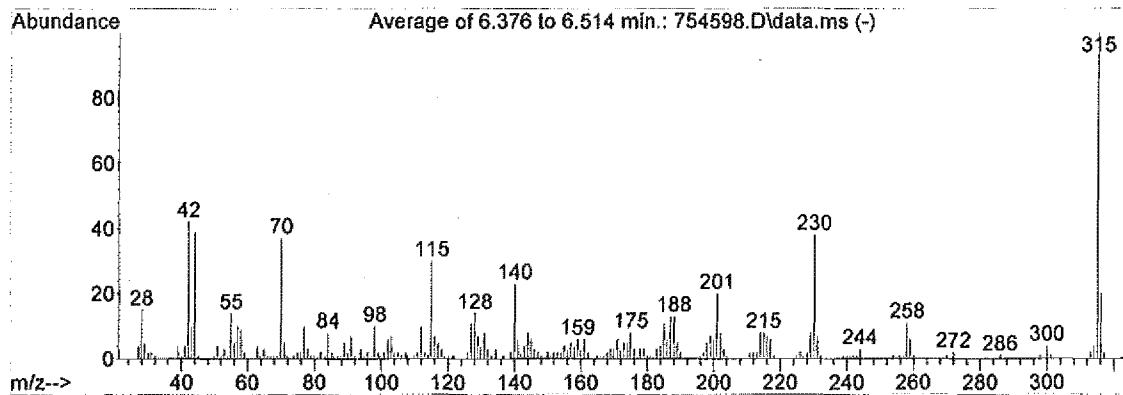
Area Percent / Library Search Report

Information from Data File:

File Name : D:\System8\11\_12\_10\754598.D  
 Operator : P.PIRO  
 Date Acquired : 13 Nov 2010 23:05  
 Sample Name : OXYCODONE STD  
 Submitted by : ASD  
 Vial Number : 98  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST08.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	97

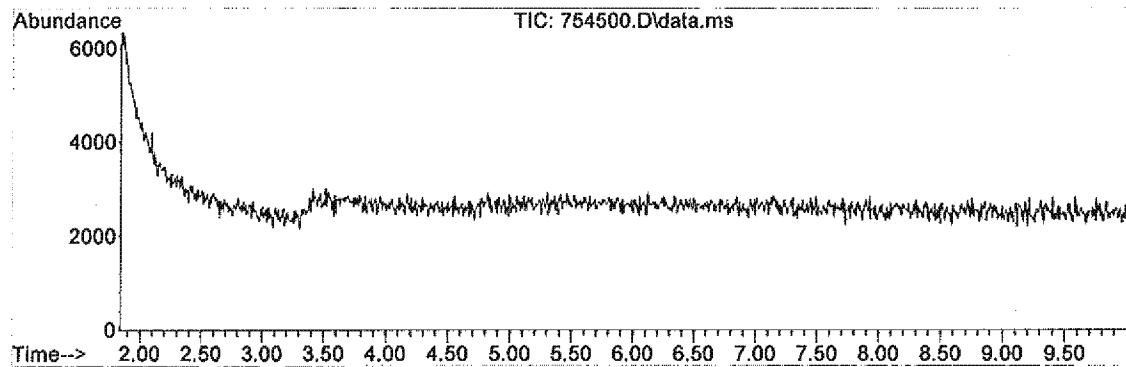


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Information from Data File:

File Name : D:\System8\11\_12\_10\754500.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 23:31  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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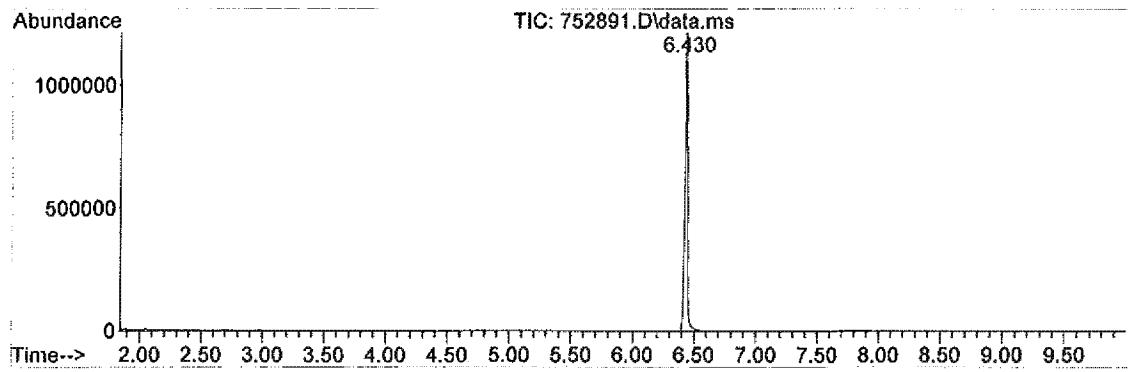
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : D:\System8\11\_12\_10\752891.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 23:44  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 4  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.430	1786204	100.00	100.00

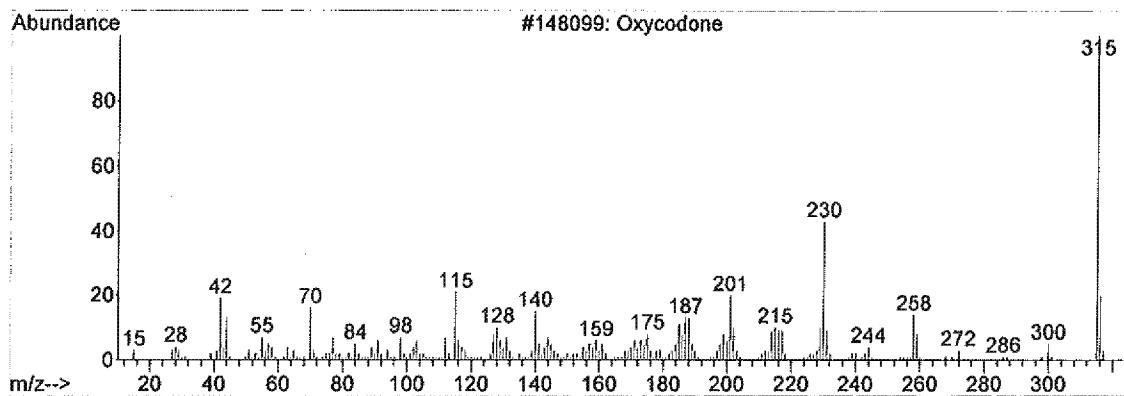
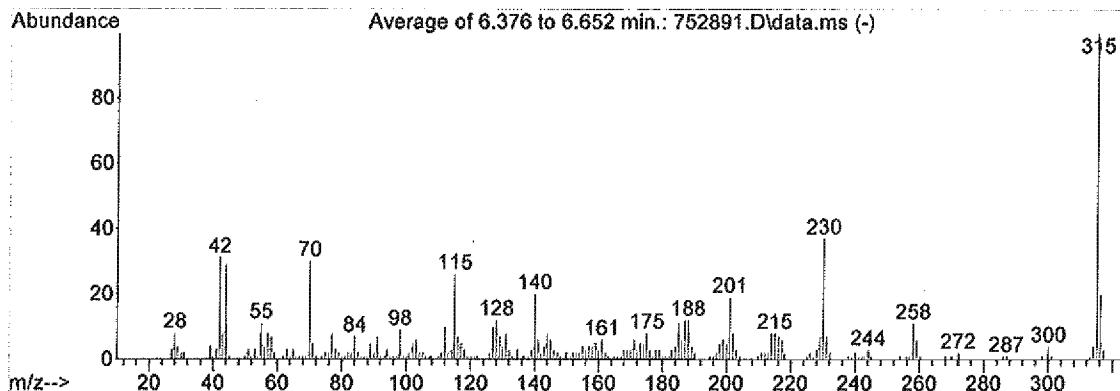
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## Information from Data File:

File Name : D:\System8\11\_12\_10\752891.D  
Operator : P.PIRO  
Date Acquired : 13 Nov 2010 23:44  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 4  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.43	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

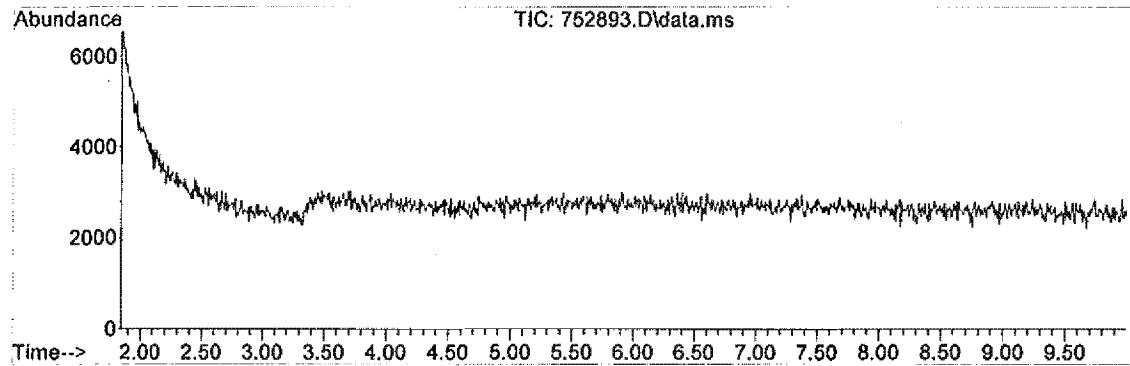


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Information from Data File:

File Name : D:\System8\11\_12\_10\752893.D  
Operator : P.PIRO  
Date Acquired : 14 Nov 2010 00:10  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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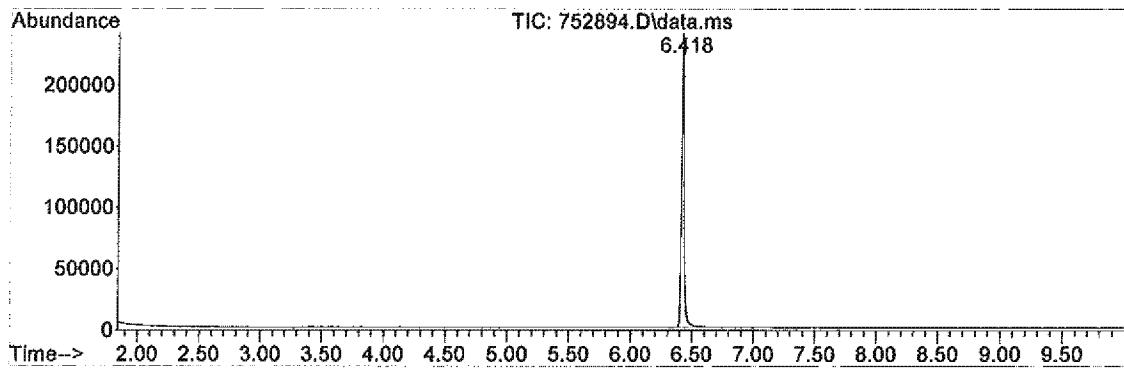
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : D:\System8\11\_12\_10\752894.D  
Operator : P.PIRO  
Date Acquired : 14 Nov 2010 00:24  
Sample Name : OXYCODONE STD  
Submitted by : ASD  
Vial Number : 98  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.418	348736	100.00	100.00

## Information from Data File:

File Name : D:\System8\11\_12\_10\752894.D  
Operator : P.PIRO  
Date Acquired : 14 Nov 2010 00:24  
Sample Name : OXYCODONE STD  
Submitted by : ASD  
Vial Number : 98  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\Database\NIST08.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99

